

```

1  acatttttttaa agtagctaca atatttttttaa aattgaaata aaatgtttat tttagaatag
61  ttttataatt actgaaaact ttcaaagaaa gtacagagaa ttcccataca caccacaatc
121 agtttccctc attaacatct ggcattatta ctatagcata cggtcacaac tcatgaacta
181 gtattgctat attgcttatt aactgaactt tatttaaatt gtattagctt ttctctaagt
241 ggctttttct gtttccagat cctgtctagg acagtagatt acatttagct gttgtgtctc
301 cttaggctcc tctgggctat gccccctttt caggcttttc ttgcttattc atgaccttta
361 cactttgggg ggctactggc cagggtatttt gtacaatgtt cctcaattcg gttttgtctg
421 atgttttcct caggtaggtg ggtgtattag tccattttca tgctgttgat aaagacatcc
481 ctgagactgg gaagaaaaag agttttaatg gacttacaat tccacatggc tggggaggcc
541 tcgcaatcat gacagaaggc aaggaagagc aagtcacatc ttttgtggat tgctgcaggc
601 aaagagagag cttgtgcagg gaaactccta tttttaaaac catcagatct catgagactc
661 attcactatc atgggaacag tgcaggaaaag accggctccc ataattcaat cactcctac
721 ttgggttcctc ccatgacaca tgggaactgt ggaagttaga attcaagatg agatttgggt
781 ggggacacag ccaaaccata tcagtgggtt atgggttggg gaagaaaacc acagaaattt
841 tgtgccactc tcaacattat atattaatct acatgacttg tcaactgatg ttttaaaatt
901 ggtcacctgg aaaacatagt gtttccctgg cttctccact gtgaaattaa ctgttcctac
961 cacttgctc tccctactgt gctatttggg aatgaatcac taagcccaca cttaagggat
1021 ggggagttaa gtttcacctc ctacggtaga gagttagtgc taaataaatg atttaaat
1081 tttctgttga ggaaatctgt cttttatctc caacttattt attttttcaa taatttattt
1141 ttatcagtat aggcccatgg atatttgttt tatattttaga aatataatgg aggaatatgt
1201 tattttattt aattctattt tttgtcccaa ttgttccaaa tttggctatt cagagctctt
1261 tcaattggct cctgtgtcct tttgannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1321 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
1381 nnnnnngact gatcatcatc attatcctgg agattccatt gttgaactat acggttgaca
1441 tatggagcat agccaataaa tctctactac cagcagagag aaagtagata atttaggatt
1501 caaagaccaa aactggtgtc atgttaattt cactgaccag ttgaacagag ttgtgaagtc
1561 atgaagccta attcttaggc tggaaatttca cagctcacca tgaaagaaat atgaattatt
1621 gagtgcctct tgttttatat ataaactcca atagagtgtt tgctaccaac tgcaaaacag
1681 aaaataacca aactcttttt aaataaatgt gtctccaaaa gtaattgaca aaagagggag
1741 aactaatggt ttccaaggct cctaagggaa acagatttac taggaaaaga atagactgag
1801 acaagaattt tttctctgac cttctaataaa gctcttcttg gattctctgc ggagaactca
1861 ctctttctta cagaataaaa tctctactac agtggtttta ctgtcagtgc cagagatgct
1921 aatgcaatca aacgaatgct ggatttgtca ctaactgcaa acatcccata gaaattttat
1981 atctaagaca ttttggaat gtttccatta ctttggccag tcattattgt gcctgctaaa
2041 ccattttctg gctagggttt ttgtgtcata gtctggaaaa aggaagtcta aaattggatt
2101 gttctccttg gccttaaagc ataagcatta agaccoccaa taacatttgt ctattaaaga
2161 caggaacgga atcatttttt ttgtctgaat ctctccttga attatggaaa tgcagccaag
2221 ctgctatggt tcattgacat tcaatacttt taaaaaggaa ccaatgttac tctgtgagt
2281 tgaagaaaaa tctatttttt aactgtcaaa attaaaattt tcttaaaaga attaaaaaaa
2341 taggtccagg gaaattactg ttattggaga aaaaagaaaa aatgaaaaca tgacaaaaac
2401 caatcaatgg ttgtcatttt tttggttctt gccatataaa tttttttttt tttttttttt
2461 tttttttttt tggaaacaga gtctcgctct gtcccccagg ctggagtgca aaggcacaat
2521 cttggetcac tgcaacctat gcctcccagag ttcccctccg ccttccacct cctgccttag
2581 cttttcaagt agttgggatt acaggcaacc atcaccatgc ccgactaat tttgtatttt
2641 tagtaaaaaa ggggtttcgc catgttgggt aaactgggtc cgaactcctg acctcagggt
2701 atctgcccgc ctgagcctcc caaagtgtct agattagagg cgtgagccac catgcctggg
2761 atcaataaaa aaaattcttg ggagaagaca atacattttt taaatcccat ggccaatttt
2821 ctgtgatgaa aaaatgtccc cacagagaca ctcaacattt tccaatgggt tnnnnnnnnn
2881 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
2941 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nttatgaata aaagacaaaa gcctgtgtct
3001 atagcacagt cccgtggatc ctgaggctct aacctcttag ggatttcatt atcatctctt
3061 tgaattctta ggctccaaat tctcaaatat ttgaaatcca caaattgggt ataaagtctc
3121 ctaaaaagga tcacaccat ccttaccagg tctatccact ctgggccacc aaacacttga
3181 acaatgacca gggcttttgg cttcaatggt ttctcaacac ccataatctc caggctccaa
3241 atctcagagg aaggctctctg tctcaagggt tatcacaggt aatttttcaa ttaaaaactg
3301 tcttttgagt ggcttttatt acatgtcatt tcaaaaatac agaaaatgtg tctttttaa

```

FIGURE 1

3361 attgtagcca attaaacaca taaagtctat gttatcatca tatgaaacag aaaaaaagtc
3421 cagatttttg ttttcaggga accaaggatc cagtccttac aatgtcacag actatgtggt
3481 ctccagtttct ctactgataa agtgtggata cagagtcctag cctctagcct atctaggatc
3541 aaagaagctc agagagggtac aaagggtctt gcaaggctaa agactacaaa tgagaatata
3601 ctgcattttt ttaaactgca aaagttcact ctggtatcaa atggcctttg tgtagcttct
3661 gagaaaacaa ttatagctgc caagatggag tgaatacaag aatacacatt tctaattgctc
3721 tatgtttaata aatgacagtt attttatcaa gaataaaaaa gaagacattg tctagaatct
3781 ttaggatttc attattgtct ctttaaatct ccaagctcag aagttttgat aatgtaacct
3841 attctgttat ttttaaggcag cctaagttag tatgcagtgg aggtagggcc atgacagtgg
3901 tgtgagggtc gccatttcat ttttagtatca agtcatttca atatgtgttt caatacatat
3961 agcactgcat tatatagttc ttctttcctt ctgctgtatc caaccaagtt cggcaagttt
4021 gccaaacttg ccacaaaaga gaagccataa agacatacta agctagtgtc gatatccagc
4081 caggtgacat aaaccaatct cacctattaa aatatgtttt caacattttg aaattcagtt
4141 taccattttg catactatca taaaaccttt gttttctgacc actccacatt aacacaattt
4201 aacacacaaa acaaccaatt caataaaaaca aaaaaaattg agctgtnnnn nnnnnnnnnn
4261 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
4321 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ataaagaaaa tcatgaagat atacaaaaca
4381 aaaaatgaat actatcacag tgtttttacat tgtttactaa ttgatagtgt gttcatggac
4441 aaattttaaat ttattcttaa ctatctctgt ttccagttac aagcattttat tgtcattgta
4501 accgaaaata caactcttaa acgaagttat gccatcttca ttagatctac catatcctag
4561 ttcttactga ttcttactgg tgcttcaaca ttctttatag gagctctgtc atttcttact
4621 agagcttttc gaataattta gatgacaaac gtcatttgaa gggctaaact gactacatcc
4681 taggcatatc accaaaacaa atccagattc cccaaatatt ttgtcttca tcaaaaataa
4741 agcaaatgtt ttttagctgta tcatttttaa cacacacata caaaaccaa aactaaaact
4801 gctatggtga cataataaac ctatgtgtta atgttgaacac taaggtacat ctacctacca cctgaaatta
4861 ctatgtttgt ctatgtgtta atttgaacac taaggtacat ctacctacca cctgaaatta
4921 tcacaatgag caaaacaaat gaaattttta aataaataaa taccatgtgt agttgggggt
4981 tcccaactcc aaataatgtg aggaagatca acatttctaa ttgaatgcaa gatactcctc
5041 ttaggttttg ttccagcagg gtttcagcca taagcttaac tatagttact gtttaoagca
5101 aagaaactac aaaagtaaaa aacaattaca taaaaaccaa actttcaaat aaaaattgtg
5161 aaacataaat ttacaattag aaagtacagt tatggtagtc cacaaagttt tcttttgtac
5221 ttttggtatc atgaattttt aaaaggctga gtcaaattaa atccttctct cdttaatgag
5281 ccagaatttt attactgaca ttatcaaaat ccagaagctg tgagtaagcc ccacttttat
5341 ctccagaaaag tgacactagt cagctaagaa ttactgaaa gttatagggt gctgtataaa
5401 ataagagcac tagtaaataa gaaatgaatg aataagtcac acaaatatca taaaattgta
5461 attaggatta agttgtacca tgcgtctctt tccataaaaag ttacaatcca ctggcctcaa
5521 aacaataagg atggtgaggg gacataaatt tctattactt agttgcctct atttcataag
5581 tttctttttt tcccatgact ttattagaaa ttggctctct taaaagctga caaagtatcc
5641 aacatgctta gaactttata atagagctcc acgttaaaaa gcatgtattt catgtatgtc
5701 taagccctta ctgggtctcc tattgtcaaa aacatccata aaaattttaa ataatatatt
5761 gctttgcca gcttcaggaa gaacaattac tgaaaaagtc atgagaaaaa caaatattca
5821 aggtgcattt ctccaagtcc ttggagcta aacatttggg tgcaaatatt accctctctc
5881 tttccatttg taagcatggt cagaaggata cgttttacc tacaccagtg ttataggtt
5941 tttccatttg taagcatggt cagaaggata cgttttacc tacaccagtg ttataggtt
6001 aatctccacac ttgttgaggaa ctggggaggaa gggggggggg acggagaggg agajaaa
6061 agagagagggc agagagagac acagacatat ygcagagcagc aaagggtgtg gctgaattt
6121 gcatgtgtgg tatagtcact gcttcattggg cataagggaat taatagagac ajatatttt
6181 tccctgggtt acatttatgg aagcttatct ctgaattcaa tacttccaat ggtgtttt
6241 tgattccccc ctgggacaga ggtagtagcc tccatagttg gtcagctatt tctttatatt
6301 tagaagtcac tgotgaaagt ttgtttaaag cccattcttc baggttttc agtaattgtt
6361 taagcttgta attactcttg ttaaatctgt tcttgctcaa gatattcaa atgggtttt
6421 cgtttgaata gaacccatgac caacatagggt tcttgcttaa tcttgcttaa atgggtttt
6481 gcaagccatg ggttaattgga ctatccctct gtaaggctta taggcagaga agcttccag
6541 gttgggaggt ctaaggacaa gcaattccaa agataacgac totatctctt tgcaggttaa
6601 aatccaaact agaattgaaa gttagtccat atgaaaaagc tgagaataac atactaaata
6661 ctaattttaa tcacagatta tatatttgca gagaataact taggagttca acattgaag
6721 aacaaataaaa atctacaaaa aaatccatag aatataaagc ttaatatatt tatgttcagg
6781 ccttaaaaaa tgacagacag taatttccaa gtaaggaaac ctggaattat atctctctct

FIGURE 1 (continued)

6841 cctccaaaag atgtgtaaaa gcatgatctc ttgactggat agtgaggaat ccagtatgaa
6901 cagagtgcac attgggaaat gataataaat acattttggaa atagagaaga cactagaagc
6961 ggggagagtga aattagaagt gtgcatcag actgtagcag agtttcccaa cttcagcaat
7021 attgacattt ggggccagat aattctttct tggggtggg ctgggagaga gtgatgggg
7081 catgctgtgt aatgcaggac acttttagcag ggtccctgga ctcaaccgac aggatgcaag
7141 tagcaccac tgctcaaaac aaaatgtctc tagacgttac caaatattcc aggggggaca
7201 aaaccactgg accataggct gaaagtcata gcatgcgaag agtcactgga cttaagaaag
7261 atgagacaag aaaaaataatt tcagaaaaca tgataattat ctaattcagt gatgtataca
7321 gagagggggc tgcaaacaca tcagtgaaga ggccaggcac ctgctatggt gactggagt
7381 cacaagcacc ccattcaagg agaggacttc tcagagtcag ccagctgttg ttgccatacg
7441 ggaaggaaaa cccagggttt ccaggccttc ttttctcttt ttctctcca aaacaagaaa
7501 gattctgatt ttttaagtaa atttcttgaa acatagaact taatttgagg cttttgaaaa
7561 acaatattta ggctagattt gacctgaag ctaccagagt cctgcagtgt agactaaggt
7621 aagtgcagc ttggaagggt ttttaggaaga taaatttatg gatccggatc aaacaaacca
7681 actataaaaa gacatacttg agaaaagag gcaaagggtga atttggatga gtattaaata
7741 acattaagga atcactgttg aatgcaataa caatatgaag atcatgttaa aaataactct
7801 taccctgttt aaatatctaa tagatatcta attatttata caggcaggca ggcaggcagg
7861 caccgacaca cacacacaca cacacacaca cactcttttc actacagatg aaacaaacaa
7921 aaaaagacag agacaaaata atgagcaaaag cactatacct aaatacgaag aataaatcag
7981 aggaatgaga aaaaaatgac ttcaaagttt tgaagttcaa agtttagaggt ctctagtctc
8041 ctgttatagt gagcgccctc tggctatatt aagaaaagcaa acactcctct gtactgtttc
8101 tgcatttacc ctagtatttt aaaaacatca tctcctaaatt ctgtgtaata cacttaatca
8161 taataaaaaga ggaaataaca caactctcca ataattcaaa gcacaacaga ctgtacctc
8221 aatttatcag aaataccaag tgatataaaa cacatccatg gttgcataat attacaacat
8281 ctatatttct gaattctctg tgattactga agtaaccagc tgacttctct aaaccaata
8341 aaaaacaaat tcagcactat acactgtctc agtgatatat ttgcaagagg gtccatgcac
8401 actggaccat aggtgaaag tcatagcatg caaagaatgg ctgggatatt ccatttgtta
8461 cgggttaatat gaaatgctac aaccacaata agcataatcc acagaaataa atcccaagga
8521 tgaacctacc caaaccaaat ttctgttcag ggaagaattc nnnnnnnnnn nnnnnnnnnn
8581 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
8641 nnnnnnnnnn nnnnnnnnnn tggctcactg caacctatgc ctcccgagtt cccctccgct
8701 tccacctcc tgctcagcc tctcaagtag ttgggattac aggcacccat caccatgccc
8761 gactaatttt tgtattttta gttagatgg ggtttcgcca tgttggtcag actggtctcg
8821 aactcctgac ctgaggtgat ctgcccgcct cagcctccca aagtgctgag attagagg
8881 ttgagccacca tgcctggcat caaatataaaa aattctgggg agaagacaat acattcttca
8941 aatccactgg ccaattctct gtgatgaaaa atgtaccaca cagagacact caacattctc
9001 caactggctca tattaactgt tttcaaaaaat tgtttcctta ttttacagac ccccaattgc
9061 ctcaataaat gaaaaaaaaa catctatctt cacattacat attttatgtg atttatatt
9121 tttatataaaa aactcctctt gttgtgtgt ttggagatgg ggtctctact ctgcaaccca
9181 gtttagagag caatgggtgca ctcatgggctc actgcagctc ggaactctct ggtcaaaa
9241 atctctctca ctcatgctcc aaagttagcta ggaccacaga catgtgocac catgctcaga
9301 taatttataaaa aaaaattctca gttagaaatgg gatttctcta cgttgacacag cctgggctga
9361 acacctggggc tcaagtcaccc tctctgtctc ggctctccaa agtgctggga ttacaggtct
9421 gagaacacgt gctgggcca aacttatctt caaaaaactca atagtctgct caaaaaact
9481 taatgtctct taaaataact taaaatactg atttatgaaa ttactcaaac ttttatata
9541 catatttata tttctgctct ttttctaat attttgata cagaaggaat aatgtatgat
9601 ccttgatgct cttctatgat tactttctca cttaaaaaac tttttctcta atttaatt
9661 atttaaaatg caatgtcttg cttaattctt gttgtttcta tttttttttt attttttt
9721 taaactcaat aactgagtaa ctacacactt atttgaaata ttttttctta atttttct
9781 gaaagtcaat ttcagaaaaa tttcaaaatg ttttaaaatg tttttttttt attttttt
9841 ggtatataat tttcttataa aaatttgggt taaaactatg agttatctga attttttt
9901 agatttagca taaatctatg aggtcttgac agttatggag ctatgtatgt gaaagagga
9961 caatcaatga gctgtagct caagcagaga agtgatggt gtttagccta tttagggag
10021 gttttgacgg ttcacaaagt ggaaactctaa cagagaaaga ctgctaaggc aagaagcaca
10081 gattgaacaa catgataaaa ctctgggtctt caattgaata tggaaagtcaa attcaaaagt
10141 ctatgataga ctctgagaaa agaaaatggt caagagatct cagaaagcat catctgtag
10201 ttttttgaag cttaagggaa ttttttctt aaactaggtg ttgcaaaatg gaatttaagt
10261 ttttaaaaat aaaaaactta ttttttttt cactgtttta aggttttttt gttttttt

FIGURE 1 (continued)

10321 gttgataaaa taaagtgcag gtgcaaagag ctgaaattga ggcattacca agaaactaaa
10381 tcacttccta gtggctaagc aaagcctaga acccagatat gctgctacct gaagcagcac
10441 ttattttaac tagcctggat agtactgggt atatacacgt agatcacccc caaaatccat
10501 ttttccaatg tggtttgcaa tttgtaccca atttgtttct ctaacatgtc cttcatccta
10561 tttggttatg tcttttgtcc ctatgtttac attaatctca aactagtaaa aataaatttg
10621 tagccattat aatttccaag gtcaaatttt atttaatttt cttaaaggctg gactgaggaa
10681 tgtggtaatt cattccttta atccgtggta gcacagctaa tgcaatattt taagtatacc
10741 cagacactca atgttagata tttttcacta ctgggttcaa gacaaatcat ttatttaatc
10801 ccataatgtt taaaatcaga taatatlaag taatacctat tcttaaaagc tacttgattg
10861 cggactgaga ataatttttt ttcaagtaag gaagcttact aaacttatta tcctagagca
10921 agaaaattct caatgtgtca taattaaagg aactggatcc atacttttct tcctttaaca
10981 acagaatata tctagaagtc acttaaaattt gaaaaacatg agtttcctca cttataattt
11041 ggtaattata acatttatat tacttaggtt ttttaggaac accaactcac ataatacatg
11101 ggaaaatgct ttgtcaatat actaataata aaataagggt tatttaaaac tcatatctta
11161 aagttactac atctacaaaa atgggtgttt cattagtctt tataacttgc attaaacttt
11221 tcttccagta tctaactcac ctctgaatt cagatagcgt tcccaatgt gcacaacagg
11281 atacttgtct gctagtcttt tatctggcca caaaattcca tctgctgcaa agaccacttt
11341 gtggtttgcc ttttgggaatt tttttagaac ttcttctgga ccaccagcaa atatgacatc
11401 aaagctgttc aatgaggaaa aaatgtgttt taaaatacac ttgtcagaat ctaggcacat
11461 aaaccatgaa aagttctcta acaaaagtca gaatcaagaa tacaatgcaa gattaatacc
11521 tgtgccaaact atttacacag aacaccaaac aaattttctc tcaacttaaa ttatatgaat
11581 tgtattgaat tattagttta cattagcaaa tgaagtccaa ataaaagtca gcttttttag
11641 tgttagcctt aatttttttt tcaggaatca cttattccca aattgaaatt ctgaaacagc
11701 attaaaatgt tagaaatata gttactgttt gtataacttt ataatacaga tagaatcatt
11761 tacggaagtt gccataactg cctaataattt caagtaaatt tgtaccagtc cattagtttc
11821 tgaagaatta tttttgacaa aatgtgttta actgctaaat gtcataatg tatgtttaat
11881 atctgaatga ctgttttagca tggaaatctta aaataagtgc gttcagacaa ctgcagggtt
11941 ttaaagctca atacacttgg gagaaaattt ttgtaaaaac tgacactata atttaatttt
12001 tgtaaaaact gacactataa ttttaattaat ataataatatt ttcattgatt ttctgtatga
12061 ctttcttcct catggttcat tcacagaatc acaatgactt aacaaaatgt gaagtataac
12121 agccactatc taaaattttt ctactctgca ataagttctt tattcattac aatcacaaat
12181 tatttttacat ttttttacat cagtgcacct taagaccaa gggtttccaat gatgataaat
12241 taatgactta ccatcccagg tagctaacag cataattgta aagtcactca cagcatataa
12301 ttggaagtct gccagggtgg tttctaactc accctctgcc acttgatatg agaataacct
12361 taggaagct cacttaacct ctttactctt aagtgtaaaag tataaaaatg agggaaaagt
12421 agtatctata tcttcaagtt ataattttaa aaaatttaaaa ataactcctg gcacactgta
12481 aacactgaac aaagttaaaa attaacatga aagggtactc agtaaaggga gagacagagg
12541 aaaactcact tcaaaagtttt taaaaatgtg tatgttaaaa aattttattt ttagccaaat
12601 acttgacttt ttgaaaactga actttaagtt acaataaaat ttttctgact gaaacctcaa
12661 actttgcoct gtttattaaa aaaaaaactg attaatctga cattacaaaa cacaacactg
12721 tactttttct gctaagtaca actgatcttc tcaaccgat ttaacggtja ttttttctc
12781 aagactataa gttgttgata attttttttt ttaataatga agactgggaa ataagaccag
12841 ttttatgggt aattaggcca tgagaagtga ggcaataaaa ctaaaagtctc tgaaagagcg
12901 actaccatgc gagtgataaa cagacccttt gtgcattgcc tggagatggg gaaaaatagc
12961 ttgtgatgtc agagcatctt acgattggag actctgacta aactgagttt gaaattttgc
13021 aggttagcagc atgcatacag tgtggaattt cctcaaagat ctagaattcag aaatgacatt
13081 tgaccacgca atcccattgc tgggtataaaa cccaaacaaat tacaaatcat ttttctataa
13141 agttacatgc acacatatgt ctactgcagc attattttta atagcaaaag cttggaaaca
13201 acccaaatgc caattaatga taaaactggaa aaagaataat tgacacatat acaacatgga
13261 ataactatca gccataaaaa gaatgagttc atgtcctttt cagggaatag gatgaagggt
13321 gaatcccata atttctcagca aactaacaca gaaacagaaa accaaacacc abgtgtttct
13381 actcataagt gggagctgaa caatgagaat acatggacac agagagggga acatcacaca
13441 gtggagtttg tgggtggggc gggggcaagg agagggagag cattaggaca aatacctaat
13501 caatgcaggc cttaaaacct agatgaggcc gggcacagt gctcatgcct gcaatcccag
13561 cactttggga ggtcaaggcg ggcggatcat gaggtcaaga gatcaagacc atcctggcca
13621 acatagtga aacccatctc tactaaaaat acaaaaatta gctgtgcgtg gtgatgtgcg
13681 cgtgtacttc caggtactag ggaggctaag gcaggagaat tgcctgaacc cgagaggtgg
13741 aggttgacgt gagctgagat catgcbactg cactccagac tggctgacaga gtgagacttg

FIGURE 1 (continued)

13801 gtctcaaaaa aaaaaaaaaa caaaactcta gatgatgggg taataggtgc ggcaaaccac
13861 catggcacat gtatacctat gtaacaaacc tgcacgttct gcacatatat cccagaactt
13921 gaagtaaaat aataataaaa tttaaaaatt aaaaaaagtt ataatgacac ttttggaaatg
13981 tgagtgaata ttttttgtct ttgaaacctt aatgatggat acagattata taaacagtat
14041 agctcaaaact attataaaaat gtcagttgtt tgaaaaagag ttatggcaac ttttataatt
14101 tagcggtttta taagcctgta ttatctttat aacaaaacac aattatttta aagcaaaaag
14161 ttaagacaaa agttatcaca taattgcctt tgaagaaaaa tttcacgttg ctgaaacctt
14221 tcctatctca ttcgagtagc actgctatct ctgtgtttta atacttttag aaagtatttt
14281 gaacttactt aaaacttctc aaagggcaag gaaggtttcc tacttaaatt tttttggct
14341 gtaaaaagtc aaattgtcaa atttaaaaaa atgcacacag gtgttgccgg aagtcaggga
14401 ccccaaagtg agggaccggc tgaagccatg gcagaagaac ataaattgtg aagatttcac
14461 ggacatttat tagttcccca aattatattt tttataattt cttatgcctg tctttactgc
14521 aatctctgaa cataaattat gaagatttca tggacattta tcactccctt tcatataact
14581 cttgtgattt cctatgcctg tctttacttt aatctcttaa tcccgctcct ttcgtaagct
14641 gaggatgtgc gtagccttag gaccctgtga tgattgcatt aactgtgcaa atcggttagta
14701 aatcatgtgt gtttaaaaca tatgaaatct gggcaccttg aaaaaagaac aggataacag
14761 cgatgttcag ggaacaaggg aggttaaccat caggtctgac tgccctgagag ccggggcgga
14821 cagagccata tttctcttct taaaaagcg aataggagaa atatcgctga attctttttc
14881 tagtaagga acagccctga gaaagaaaat gctttcctag gggtaggtct ctaaaatggc
14941 cgctctagga atgtctgtct tacacggttg cagataaggg atgaaatgc cccagctctc
15001 ggtagcactc ccaggcctat taggacgagg aaattcctgc ctagttaaatt ttagtcagac
15061 cagttgtctg ctctcaaacc ctgtctcctg ataagacgtt atcaatgaca atgcataacc
15121 gaaatttcac tagcaatttt aatttcgccc cggctcctgt atctcgcttt gccccattt
15181 gccttgtgat attttattgc ctctgtgtgc ctctgtgacc cacacctat tcatactg
15241 cctccccctt gaaaatcact aataaaaact tgctggtttt caaggcaatg tagtgcctg
15301 aaaaccaagt acgtctcagg tatttcttat agcagcgtga aaatggacta atacagcaaa
15361 agaaacccaa attatcctcg aagagatgac ctgtagataa gcaaaagtat ccagccaaca
15421 gtcccagcta acaaccagac atactctcag tggagcagcc agattactgc agccacaaa
15481 gtgacccag gaaaaatcag tagaagaaca cagatgaatc caaccaaact gcataatcat
15541 aagcattgat ccaacaagca ttcttaataa gcctcccaca cactaatttc cacctaagat
15601 tctactttct ggagaaccca atctgcaaaa tttggtacga agagtgggga aaaggaaagt
15661 agaggtagct actggagaac gtgctccacc aaattaaggg aataaactaa gaaagaggaa
15721 gacatgaaaa acagggcaca gaagaatcca cacagggtag agtcacagag gattcccata
15781 tgatggtgaa ggggaagtccc tgcagccta gagacgcac atccaactc gcggaacagc
15841 acaggctctg agagggatgt cttcattaaa atcgacaaac tatcaatgta ttgactacac
15901 tgagaagaat tccaggattc tgtagaaaac ttggggggga tgaattaata aaatgaatat
15961 agaaaaacaa acaaaacaaa aaaacttgct ggttttgggg cttggggggg agcacggaac
16021 ctgccaacat gtgatgtctc ccccggaacac ccagctttta aattttctct ttttgtactc
16081 tttcccttta tttctcagac cggccaacac ttagggaaat aggaaagaac ctacgttgaa
16141 atattggggg tgggtccccc gatacacag tcataaaaat attctcacag aaattgagtc
16201 gatctacatg tgaagaaaat aaaattttcc acataaact gtggtaagta tgccctgggtc
16261 ctgaaaaaac cataagattc tacctgatgt ggtcatactg agtcccctgc cagacatgtc
16321 agtggtctat ctcaatagat gattgagatt ttctaagtgt ttttcccttt tgtcctctctg
16381 tgttccctac ttctgtgaca acatcaacca catagtcacc taggttgaaa atctttcatt
16441 caccctccac tctctctctt ccattggccta tctcatggaa tcttttccct aatctctattg
16501 attccatcta cttaatttat tttgcattca aatccctctc actcccaacta gaaggacaaa
16561 ggttagatta attttaaaaa cctagagacc tctacattac ccatctcttc cttaactata
16621 aataagaact tctgacaaa ttttttaaaa atgattctgt gccagttctc agactgatat
16681 aatggttctc aactatggcc taagcgggga gtcagtaaat atttaattct tggcctttta
16741 cagaaaaata tttagggtct gatgaccata ttgtctgtca cagtgaatga actctgtcac
16801 tgtgttgcaa aagccacac agacaatatg taacaaaatg agcacagctg cattgacagg
16861 gttttctctc cannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
16921 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
16981 gggggcagga tttgggctcc catggtcttt gcattcttgt gttatgactg tgaatatata
17041 tgttaacttg aaaagggaaa tcagattgca gatggaatta aggttaacta gctgactctc
17101 tjtatgggaaa attatcctgg attttctggg tgggcttaat ataactatat ggtatcttaa
17161 aagtggaaaaa ggtaggcaga atgtagctca tacaagtatg acatgagaag gacttaactc
17221 gctgttctct gataggaaga tggagggaag ggtccatgag ccaagggaatg taggtggctt

FIGURE 1 (continued)

17281 ctagaaactg ggaaggattc ttagctgata gccagtacaa aaacggggac ctctgtccta
17341 caaccacagg gaacttatatt cttaaattctg ccaacaacct gaatgagaga aaaaaaaaaa
17401 aaaaggattc tctcttagaa cctccagaat agaacaaagg tggccaatat actagatttg
17461 gcctgctgag gacctatact ggacatctaa actggaagat gataaatttg tgttttacgc
17521 tacaaagttt ttcatttatt tgttatggaa acgatagaaa actaatatac tcagcttttc
17581 cactcctcta ttgctgaccc tgcagaccat acttctatag gaaacaacct tgctatgaat
17641 gatgagtaag ttcaattagg ctatagaaat attattccag tccgagagtt attccttcta
17701 cttacagtag ctgcatatct gtgctccatt tcattatagg ttaaatctaa aatacaatta
17761 ttgagtagca atctttcctc tctctttttc aaattcccat tgtgtggttg gttatgtact
17821 aacaaaaact ttgatgattt agaattacac acaaacacac acgtgtatat atatatatat
17881 atatatatgc atatacacac acaaacacac acatttccag tgtgtttttg tatgtatgtg
17941 tatatatata catgtgtata tatgtgtgtg tatatatata tgtgtatgtg tgaatgtgta
18001 tatatatatt cgttgtcttc ttggtataca tgagggttg attccaggaa ctccagtgga
18061 tgccaaaacc catggatgct caagttaagt cctcatata aaatgggtga gtattttctt
18121 ataacctatg cacattttcc cgtatacttc aaatcatctc tagttacttg taacacctag
18181 tgcaatgaaa atgctgtgta aaatagttgt tatactttat tttttaggaa aaatgacaag
18241 acaaaaagtc tgtacatggt tagtgacgat gcaaccatca tttctataaa atatttttaa
18301 tctgtggttg gtttaattcta cagatgtgga acccacagat atgaactgta ctacataact
18361 cacctaaaag gtaaaactttt tcacactaaa ataaacaaaa atgtacaatt tttaaaaaaa
18421 gtttaattga aataaatat aaaaagtata acaacttac tcccttaata aatgaccgta
18481 acctagattt tctttctgga taattttatc tcagaggtat tttatttccc ctaatacagc
18541 aattaaaaag attatttctt gttttattgt ttgtttcctt catttccatc aaattctat
18601 gggtagagaa cttatcttta ttgatcacta ttgcattatc cataagacac atggcatgta
18661 gtatttgctt gatagatatt agttgaatta ataaatggat agaaaatgag cttacaaaaa
18721 ataatttaac ccagtcacac aactaggaca catggagagt agaatggccc agcaagggtc
18781 acaggtaact agtgaagaa ttaaagtggg gccaggcgcg gtggtcatg cctgtaatcc
18841 cagcgttttg ggaggccgag gcaggtggat cacgaggtca ggagatcaag accatcctgg
18901 ctaacacagt gaaaccccat ctctactaaa aatacaaaaa attagctggg catggtggcg
18961 ggcacctgta gtccagcta ctcgggaggc tgaggcagga gaatggcgtg aacctgggag
19021 gtggagcttg cagtgaagcc agatcacgcc actgcattcc agcctgggtg acagagcaag
19081 attcctctcc aaaaaaaaaa aaaaaagaat taagaagga ggaaagaaac acaagggtg
19141 gcttgccagt taagacaggt ttattttaga gaaaacaaac ctgagaggag cttttgaccg
19201 agtttagatta gaggcacact ttttcacaga cttaaactgtt ttaaggattt aggggtggag
19261 agtttattag aggcctggac tgcctttgtg tttttttgtt tttttttgtt tgggagggag
19321 agtttattag aggcctggac tgcctttgtg tttttttgtt tttttttgtt tgggagggag
19381 gttacgtggt tgttcccata ctttttcttg cagcttccag cagcttccag cagcttccag
19441 tttagctttcc ttttttagtg tagctgaagg aaaaagaatg gottatttag accatctgtt
19501 ttactggggc ccattgtgta aaggtcatgt ttgacagcta cacaagaaac ttttccctt
19561 ctttcccttg tgcccaagca ttttatctgt gttttactgt ttgctttttt tgggttttta
19621 tagttaaaaa aaaattttctt aaaaatgata gggctaaaaa gaagctttta ttggaggtat
19681 tgtccaatat aatgggtgct ctgctttgtc acctagtcac aatctttgtt aaaaaattta
19741 gatgtctgta tgggttaatt tatatatcaa cttoactgtg ccatgggatg cctagatatt
19801 tgggttaaaa ttattctggc tgtgtctctg agggtaattt tatatgagat taacatttga
19861 atgagtagac tgagtaaaat agattgctct ccccaacatg gatgggtctt atttaatttg
19921 tcaaggccctg aataaaaaca agatctaact agagataatt ctctccctct gtatggatga
19981 ttgggtctctt cctgctcttg gacttgaaca aaaaactggc tttagcctac atgtttctct
20041 agttctcagg caattggact tagaaaaata accaatgact tttaggggat tttttttt
20101 caactacaaa ctttgaagat ttttagcttg cattaactta ttagaaattt tttttttt
20161 aactttttta cactatagag taaattttta ataatataa tttttttt tttttttt
20221 gttatataca cactcgtgct ttattctgtt cctttaga atcttctctt cactatctat
20281 acacataaac acatgtatag atttctctat agttctgtt gtcttgggaa atcttctctt
20341 taaaaattct cactactctt tgcctttctc tgcctttctt gttgttaata agtttaattt
20401 cttctctctg tgataaagat tgaacccctt ctctctctct acacacacac acacacacac
20461 acacacacac acacacacgc ttaagccctc taaagaggta gttaacattg gttgttaggt
20521 ttttttttag tatgtgtgtt cctctctggg tatatctgtt tataggctat taacagttat
20581 agtcaattat ttgttgcaaa ggtgacataa cctgttatag agtatatttg gttttcttta
20641 aaagggtgtg ttagggtgtg gtatgtatat atattgactt gtcttttagt aaaaaaaa
20701 aacacaaatg gaaaaataaa ttaattttta gtaatttttg aaaaatttaa gttttttt

FIGURE 1 (continued)

20761 gaataaaagct aaaagtaaat gaaagagtgct ttatttcttag catttaaaaa ttaatttttta
20821 attttatcatg acatttggttaa ggtaagaaaa aatgacctgc aaatctttct atattttgcaa
20881 atttctaagtc atcttttactt tataaatgaa aaaggcaaag agggctatgt ttaatataga
20941 aaccaacatt ctttgactgg ctcaaggctt ctataattaa gcattttataa agtaaataga
21001 gttttcctttt tctttctttt gacagagaaa ttagtggtgt tttcactgtt ttgtagtcat
21061 agtgacatgg tttgagggaa atgtctaagc cacagggccca agttctcttaa aataattgtg
21121 ttaagaattt taaggacagt agcagggtgtc ttagtccatt ttgtgctacc ttaacaaaaat
21181 atctgaagca aatagctaag ctaagtgtatt ggccataaat caaatgaata tctagtgtact
21241 cagtacttcc ttgaaaagct ccctaaggca ataacatcat ttatatgtac agatccagca
21301 ccaataatca tatgtttccaa aggtgacata aaaggtaaac ctgagggaat tttaccctgt
21361 tgacctatca gtggaatgag agagttttaga agattttcacg tttgtctttt gggaaagtga
21421 ccacaatttc ttcaaacaca ggacataaaa ccaagtagga ggaaagctac agctgagtca
21481 acctgagtaa gggatttcat tcatttcttc attcattcat tcattcacc acccagcacc
21541 tgtgtccaac accctgcaag gcactacaga ttccggcagta aataaaaaatg aaatcattgt
21601 tcttagagtg cttgtttctcc agggaacaaa gacagacagg caaacaaaaa aagaatgaat
21661 aaaaaatatg aagtagatta gatagtggta tcagaaagaa aaagaaaaca aagtatgaag
21721 atagaaagaa acaaatgtct tgggggaact atttcagata gagtaaaggg aaagaaagat
21781 aggaaataag aagaaatagc acttctgtct ttttccaact ttataaccag gaattaagcc
21841 tctaaacaca gcttcttctt tttttcatct tacaggctct catgataata cccaactag
21901 acctttaact tcttcttttt cgttaagat ctctgtctca ctaagatggc acacaacaga
21961 gataattgct tattttcaag gtttcagtgt tttctcataa acattataat atggcatata
22021 tactatttta tarattacat aatattaata taatatataa tattagtata taatgataaa
22081 tatgtattat atgtaataaa taatatataa actgtatttg atataataaa tatatataat
22141 aaatatataa aatataaact attcaatgta aataagatgc catatataat gatattttat
22201 atattatttaa tatattgtga ttttaaaaaag ggttttcttt ttttcttcaa cttttatttt
22261 gaattcaggg atatatgagt atgtttctta caaaggatc ttgtctacca ggtagtaagc
22321 ataggactca gcagttagtt tctggaccct tttctctctc cctattcttg cagtccccag
22381 tgtctattgt tttcataaat actattgttt tatgtccaca agtgcccaat gtttagctcc
22441 cacacttaag tgagaacatg tactatttgg gttttctgtt tctgcattaa tttgcctagg
22501 ataatggcct ccagctccat ctatgttgct gccaggaaca tgatttcatt cttttttata
22561 gctgaatagt attccatggt gtatacatag caatttttct tcttccaatc cactttcgtt
22621 gggcacctaa gttgattcca tgtctttgct attgtaaaata gtgctgggag gaacataaga
22681 attcatgtgt ctttttgcca gaatgcttta ttgttctttg gatataatatt cagtaatggg
22741 attgctgggt caagtagttg ttctattttt agttttttaa gaaatctcca aactgtggct
22801 ccaaggttaa gccacagtgg ctttaacttac attctcacca acagtgtata gtttagctct
22861 tttccacaa ctttaccagc atttgttata ttttgacttt ttaataacag ccattctgat
22921 tgggtgtgaga tgatacttca ttgtgtgttt gatttgcatt tctgtgatga tttagtgatga
22981 gcattttttc ttatgtttgt tagctgttta tatgtcttct tttgagaaat atctcttctc
23041 gtttttttgt cactttttta tgggtgtatt tgggttttgc ttgttgattt gtttatgttc
23101 ctttagattc ggaaattaga cttctatttg atgcattagt tgcataatatt tttctctatt
23161 ctgtaggctg tctatttaact ctattgatat tttcttttgc tgtgtagatt atctttagtt
23221 taattagggt ccaactgcca aattttcttg tgcactgctt ttgagaactt aattataaat
23281 tttttgttaa ggagggaagc aggaaggtta tttcctaact tttattctag gaattttata
23341 gtttgacatc taacatctaa gtatttaact catcttgagc tagtttttgc atgtgatgaa
23401 aggttagaggt tctgtctttc tgcatttgta taatcagttt tcccagttat attcattgaa
23461 tagggagtta tttctgttat taatccattt gctattgctag aaaggagtag ctgaagctgg
23521 gtaattttatg aaaaaatgag gtttatttgg cctatagttc ttttagctgt abattgaagca
23581 tagtgcttga ctccgttagg ggcttagga agtttatatt catggagaaa ggtgaaggga
23641 agccaggaag tccatagttg ggagaggaaa caagagagaa agagggttca ggtcttttt
23701 atacaacacag atcttgcatg aattatataa gcagcaactc atgtatcacc aagggaattca
23761 caaagggaat gatctaacac ctcttactag gccctacctt caacatagag gatcattttt
23821 gaacatgtga ctgggaggag acacatctca aaaccaaata cgttccccat tgcatttttt
23881 tgttgactct gttgaagatc agaaggttgt agagggtatg agttactttg agttctgtat
23941 tatgtttcat tgggtctatgt gtctgttttc ataccactgc aatgctgttt tgggtactgc
24001 agcattgttaa tatagtttga atttgggttaa tgtgatacct ccagcttttt tttctctttt
24061 attctgttag gatctgtctg ttaactaggc tcttcttttg ttccatata accttagaag
24121 agttcttttc taactgtgaa aaaaatgacat ttgttagttg acagggaatag catcacatct
24181 atagactggg ccaatttaaa atttataat tattgattct ttaattccat gagtaagtaa

FIGURE 1 (continued)

24241 tgtttttcca tttgtttggg ccacatatga tttcttgag caggggtttg taacttttct
24301 tgtagagatg ttttacctcc ttgggttagat ctatcttagt tatatgtgtc taggtatttt
24361 attttcatgt gtggctactg taaatgatat cgtgttcttg atttggctgt cagcttggac
24421 attattggta tatagaaatg ctactgaatt atgactaggc tcagtggctc atgcctgtag
24481 tcccagcaact ttgggagggc aaggcgggca gatcacttga ggtcaggagt tcgagaccag
24541 cctggccaac aggggtgaaac catgttgcta ctgaaaatac aaaaatttagc caggtgtggg
24601 ggtgcgtgcc tgtaatccta gccacctggg aggctgagcc aggagaatca ctggaacct
24661 gaaaggcaga gcctgcagtg agctgagatc atgccactgc actccagcct ggggtgacaga
24721 gcaagacaaa aaaaaaaaaa aaaaagctac tgaattttgt acattgattt tgtaccctaa
24781 aactttactg aagtcattta tcagctctgg gaggcctttg atggagtcct tagggttttc
24841 tagataaaga attatgtcat cagtaaagag agataagttg ttttcttctc ttcctcttta
24901 gttgcctttt atttctttcc ttgacctgat tgctctggat agagctttta ttactatgtt
24961 gattgggagt ggtgagagtg ggcatttttg tcttgttcca tattttaagg ggaatatttc
25021 tagcttttac ccattcagta tgatgttggc tgtagatttg tggatttggt cctttgatga
25081 ctggtttgtt gaggggtttt atcatgaaga tatgttgaat tttattgaaa gctttttctg
25141 catctattag gattatcatc agtttttgcc tttaatgctg tttatgaggc gaatcatact
25201 tactgatttg catttggtga accaaccttc atttcaggaa tgaagtctac ttgatcatga
25261 ttaattgaca tttcaatatg ctactaaatt tggtttgcta atatgttggt gaggattttg
25321 gcatcatatg tcatcagagg tattggcctg aagttttctg tatagtgtct gccaggtttt
25381 gatgtcagaa tgatgtggc ttcataaaat gacttaggga ggagtcctc ctcttcgatt
25441 tattgcaata gttttactag cattagtatt agctcttctt tatacatctg acagaattcn
25501 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
25561 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cataagtttt ataaccatta
25621 ccttatttga tatatagctt gtttgccatt tgacactaac aaaaataata ttgtaagggg
25681 attattgaaa ataagttttg gtttccattt ttacctattt ttataggaaa agttcatgaa
25741 acaaaatatt taaataaaaa gatattgact ctttctgtct cttgttacat attgtggagt
25801 tgatttccag aaggttttat ggattttcac ttcacagagc agtgtacaaa agggtaggga
25861 aatcttggca agcattactt ttcaaaatac tttcttcaag gtttttagggg aaaatagtgt
25921 ctgattctct ttatcctcct tttttatttc ttaaatttat agtgatttat ttacttgcta
25981 aaatattttt tgccacttct gtttcttatg tgagttgcat attcgtatca gtggtgtgta
26041 cattctagtg gagttgaaaa ggacggtaaa caaatgtatt gggaagggtat aaatcttaaa
26101 aagaaaaata aaatgagatt agagtgatta ggttgaagaa taccattata agtactgttt
26161 tcaggagatg ctttttatct ttgtttacat ttgagcatag aaggggtggag gctttctgag
26221 agaggaggat tacaggcagc ggggaccaca tgatgctgca tttaggctaa ggaggggata
26281 gatgtgtctg cagagcagcc aggagaacag tgtgcctgca tttaggtactt ggagtggtga
26341 gtgatggaag agatcagatt gacagtcaag accagatctc tttaggtactt ggagtggtga
26401 ctagggttaag gagtttggtt tttattgaga acaagaggta aacctttaa aaaatttggg
26461 gagaaacgca agatatgtgt gtgaattaga ataggttatt ttatctggac ttttgggttg
26521 tgaatgtagt acaggctgat ttcagcccca ttttccctt tagcctctct aaagggtggc
26581 tgtattatat agtacagttg ctaaaactata tacatttgtg ccctgaattg atagagttac
26641 agctatatca ttccggccag tagaagaag ggattgacaa tggccagggt agatacaggg
26701 aaattcttta agagatgatt tcagtgtctt agggagaaga ggatgggtgc taggtttaga
26761 ctactcacag aaaagatggt taggagaggc tggatcctgt aatgctgata gaatttggg
26821 tcaacttaga tggggaatgt gagagaaaaa caggagttaa ggatgactcc aaattttatt
26881 cttaaaattt tgcattctag aagttttaat ttgtttaagt cttaacacca attgagtata
26941 tactctacat gctttttttt tatattctca ctcatgttta catagattgt aaaaatgag
27001 tactctgggt actgctttac tcttatttta atacttacta ttaaaactta tagtctttt
27061 tgtgtctgta atgttatcta aatgtttatt cagcagaatg ctagtgggtg aaaaatgag
27121 cctaaaaata tttttacaag ggcggctgga gtgtttaact ctaggaaagta ggcbaaaata
27181 gctgctgtga tgcactgagc agtgagtttg ggaataagca tcttgcaaaa tgcagctgga
27241 tagcattgaa aaatagcaga gctgcttgaa gcagattttt cagttttacag aaatttgggt
27301 ataaccaaaag catggaagat gggaacaaat ggcaggggaa atctggctac atgactgtaa
27361 gatcagtgct gctgcagaga gtccctgagt cagcttttgt ttgtaccaag gcatacaagt
27421 tatttgggtt gacaagagat tggaaatgtc tgacaatgcc cctttcttat aatcttaggc
27481 agtatattac aaagctttat tttgaatgta gcttttatcg tttgttattt attgtactta
27541 aattatgttt aaaggcaagc actgggatat ttgtgtgctt aaactttgtt taagggcaag
27601 aactggagat ttgtgtgctt ggaacagacc ctactctgcc tccactttcc attttagtca
27661 gggggcaatt aatcttgtaa catgaaaggc ttcagggttg tagtggcttt attgacaaab

FIGURE 1 (continued)

27721 ctttacatga aagtacatct accatgtagc tggaaaaaga tccctgataa cttttctatg
27781 taccaccctt agtttttggg aatagggtaaa ggaagaaaaa gtgacagact gagaatgaat
27841 aggcagagag atggaaaaaa cagtagagag aagcaccagg aggggtagat tcatacagct
27901 ggatgggtgaa ttttgcactg atttgttttg ctaacttaaa acttgttggg ttacataaat
27961 ttctatttaa aaagaaaaca ctgcattcgt attaatatag gcattatatt tcttgatgac
28021 aaaaatctga ataaaaaac tagttccttt taataaagga cattaaatat cagtagataa
28081 tagctttact tgtagtttat ttagagatac tttcaaggga taaatacttt tctcatcttt
28141 ttgaaagtta taatttggca attgttttct gacaggaaca tttgggttaca tacagtagat
28201 gtatgggttag atacagtaaa tgatgttttt gccaattttc taactctctg ggaacagaag
28261 tggagaatgt tgaatcccat tcccctgtta cacacatttc ttcacctggt gaactcattt
28321 gtcctcagtt ttagggcgaa ttcctcaca tttttttcat aaacttccaa tttaaaaata
28381 ttctctctgt taaaaccttt caatctcttc gtgttgttga acttattctt agttttactg
28441 cagtttccat tttaaattgt ttgtggaaat atttgccact gtctcccctc acaactgtat
28501 tgtaagaccc atgaagacag ggattgattt tccaaaaaat gtttattgag tgacttcctt
28561 ccaaaaaatat ttattgagtg cctactgtgt atcaactagg atttggggat ctattagggt
28621 tacattctct tcaattccag catttacttc gtttaccatt atgtctccaa catgtagcac
28681 agtgccctgat aaacagtga tgtcagtatc tgttgaaaga ataaagatga aagccctttg
28741 aggagtattt gcagggctca aatgtggtgt ggagtcaggg gttaaatctg tagttgagga
28801 acatgaactt ctccctgaggt tggggatttc tttcccatc tcaatctgaa atttccaact
28861 gtccctgttt taacttttct ttcaataaaa acgagaactt ccttagtgtt agatccattt
28921 tgtaaaactgc gtctggggaa tgtatgcagt ttaagtaaac tgcaagataa atcacagaag
28981 agttaatgca gtagtgatca ttttatttag ggtccacatt aatagaatac agcaatttaa
29041 attgtaatgt agttaacttt gtcctttttt ggggttgtaa ttaatctaaa catccagcta
29101 tttatgttac ttataattaa aggtaggaaa gccattagat aactcatttg ttcatactgt
29161 gtattcaatt atctgattta ttatttatct agtttatgta ctgagagtac ataataaaac
29221 ttaataaaac ctcataataa aacttatttag ggggcagtaa atgaagaaac atgttgtgtt
29281 cttgacagag caggtacatg gacactcaga cattaaaatg gagaccagga aattaaagat
29341 cagaagcagc atgtggaaaa cattctgtct ggggccactt attataggaa taaacagctc
29401 tgtagattta gatgttcttg ggaagtaccc tatcattgga aaatatggta agtgatcatg
29461 agtcctcaag aagaggttat atttgttttg tattcttttg ttaattatca catttgacag
29521 aatgatattg attattaaca ttattaatag aaagtgttta gagaaagtgt aaaggcacca
29581 tggtttaatt gactggaatg ctttatgact aaaaatgcag agagtagttt gtgaattttc
29641 aggaactgat cctattcttt attaaagcgt atttgttatt tctgaaaaag cacacatagt
29701 atagtttaat tcagactctc tgagactgtat atacttctaa ttatatacta gtttatgaaa
29761 ttactgagtt ccttctactt tgagaaattc tggaaattaag aatgagttag gattgtggg
29821 gagaggtcgt tgaagctgac aaaacactga atgcttacc tctgttctag gtcacagtga
29881 aatcagactt cactggggag cagttttctg atgaggaatg tcatgaatcc tttcagaaat
29941 gggaatgtct ctgtgtttgt ctctgtaatg tagaggcatc ttgagaggct ggacttttga
30001 tgaattgtca taagaactga ccccatatag cattggctca gcttttctaa aagggtattt
30061 ttttctctgc tacataaaat ccccaaatga aacattgact ctttcagaca taacctgacc
30121 cagtgcactg ggtcatactg gattatctct accctgtatg gatttatact gctgagaaaa
30181 tttaaattgc gttcaaaaaga gagctatttt atgaacatct accttaataa tgcattttgc
30241 ttatgactaa ttaatgcctt gctatgtttt tgtggagcag tcttgaagaa ccagggtggg
30301 aaccattcat ttctaattgt ttgtagctag gaattagtgt aatttgactg tatacagagt
30361 gaggaagag aaaggagaga aggcaggga agaccagctt tccacagctg acattcttca
30421 acagtatttt ttgccagcag ctgatatttc tccctagtgt ctgtttcaat ggttataatc
30481 taagccttgt aataaaattc ttgctaataga cttaaaagtga tggcatttgt acaggaaatc
30541 gtaactgttg gcttgatttt attttacaaa ctgggttgaa aaagagagaa aatctctgtg
30601 atattcattt ctgtttaagt ccagtggaaa tctcagtaaa atattggatg tgcagaaag
30661 ctttacactt taggatgagc tgcattatta ttttttctct gcatcataat aaaaacctta
30721 atccaacatt taggtttgtt gatagtggc gtttataacg ctacgggggt gagcatttat
30781 caagataaat tgtggagatt tgtgttctct caggataggg aatgtggcat ttagaattct
30841 tttgttttag aaagtccag aagatacttt aaacatttct taaaatttta tttatgtaac
30901 agactcatct tttcaggtta gatttatgag ataatttggg ttccttcaat actttaaaac
30961 ttttcttaaa attttattga tgcaggagac tcatctttta agatttagct tatgaaataa
31021 ctgtgaaatc ttcttactg ctctttttca caaacctgt ttaattctgt catcaatgtt
31081 gtttagtctg ccttagaaac atattcaaat ggatgacttt ttacctctt tactacgtt
31141 ccttgtctgt atcacatgg ttttaaaact agaacaactt tcagaacaat ctttaaaaga

FIGURE 1 (continued)

31201 tttcctaatt ttgtccttgg cctctcctgt gatagcaacc agggtaatcc tgttaaactt
31261 gagtcagatt atgagatgca gtattgcata gcagttaaga gcacagcctc tggagctagt
31321 ctttctcggg tcaaatatga gctctgccac ttaccatata tttaaagtgt ggcaacacag
31381 ttaaatgtaa tattggaaga gcagtaatac ttggattaaa tgaattataa gtatctatat
31441 ggtagacatt gttattattg tattgttatt actgttattt tagtagctat tatatcatct
31501 cttttactcag aatcctctac tagcttgcta ttacatttga agtaaaaacc agaactctta
31561 caatgacctc ctaggccctg cacagtctat tcattctgac ttctgaaactc atctcatttt
31621 cccttgcata gtctcttctg gccattctgg atgcttctg tcctcccttt tcttccactg
31681 ccaatgtatg aggcctgaac ccagcccagt catattctct gtatttgttg tttcctttta
31741 ctggaaaagat gtccctcaaa tatctgcata gctcacttcc tttgcttcag gtcaccctct
31801 cagtgaactc tggttatgtc atccaagata gcaaccctt caagactccc tgcgacactc
31861 tatgacactt cgttctttat ctttagccct gaaagttaa tgcaaatttt tgtttgtttt
31921 ttttttgggt tccctgtatt ggaattataa cccatgatg gcagaggctt atttttggtc
31981 tcttgtcctg tcttgaatgc tgagtctcta gaacagtggc acatagtagg cacacagtaa
32041 cattgaagga attagtgaac ttatggcacc tggttaattc tctgtctaca acctcatgtg
32101 gtatcatctt tcccatgtat acccagtatt ctcttagctg tgcccccctg ggtctgtgat
32161 ctgctccatc ttggcttcca gctgtccact ctttaattct aatggtaatt tgcaattaac
32221 catttctctg cttttgaata atgaaaacac gaatccctct ccatttctga ctagcaaaat
32281 attctcatgt ctttgagacc cacttaactg tttcttcccc ctgcggtatt acctcaactt
32341 gtcttgattt ctctctcctg tgaattatcg ttgcccttca ttgtttaacc tctcatagg
32401 gctgttatct agaatacaga ataccaattt ttttattatt tggcatacct aggtgggtac
32461 tttttttagt gtgatccctg ttgagcgtca tccgcatctc ttcattgatg tacctgggtac
32521 tcggaattta ttcccagga gctcccccata caaactgaat cagaaactct tgggggtgtg
32581 cccaacaatc tcttgtttat acaagtattt gggtagttgt tctagtccat gctaattgct
32641 gaaaagcact gagcaaggac attggcatga tgggtccagt tccagactgg gaatatctga
32701 gattaagggt ccagttgggg ccagtgtctg ggctcatgtc tgtaatccca gcaactgggg
32761 agcccaaggc aggcagatca cttgagacca ggagttatag accagcctga ccaacatagt
32821 aaaacccat gtctaccaga aatacaaat ttttagcggg gtttgggtgg gagcacctgt
32881 agtcccagct actcaggagg ctgaggtggg agtatcacac ttaaacagtg ggagctaatt
32941 gaatcagagg tcattacgtc ttaggagagt ttttgtgaat gtggcagata gagcttctta
33001 ctgcatcaaa atggtgctat aaagccaatt atttagaagc aacattatgg agctgtattc
33061 ctgttatttt cagaattttt atgctttgat atatggaaaa taccttttag tcaattccat
33121 ctttttttaa aaatcgcagg tcatcttga atcatagtgt aaataaatag tatttctcat
33181 taaagcatta acatgtcagt tcatcataag tttggtaatt cagaatggaa ccaagaactt
33241 tcattgtttg gaatacaggt tggatatccc ttttgcaaaa tgcttgggac cagaagtgtt
33301 tcagatttcc agtttttaca gatttttgaa tacaatcatc tgttgcataa cgacaaagat
33361 accttctgag aattgagtc ttaggcaatt tcgtcattgt agaaacatca tagagtgtac
33421 ctatgtaaac ctatggtgtg tagcttacca cacctagaca atatagttaa cactactgtt
33481 tctacactac aaacctgtaa ggaatgttac tgtaccgaat atttaggtag ttgtcacaca
33541 atgggtattt tgtatctaaa tatarctaaa cataaaaaag gcaacccaat gtgctatgac
33601 tgcactata tcactagatg acaggaattt ttcagctcca ttgtaatat atgggaccag
33661 tgttgratat gtggctcatc attgatggga acatcatgtg gcacattact gtatttata
33721 acacataatg agatatcttg gggatgggac ccaagtctca acatgaaatt cgtgtatgtt
33781 tcatatatac cttttacata taatgcaata tcatataatg ttttaataaa ttttatgcaa
33841 gaagtaaaag tttcgctgtc cctctcacat taggtcaggt gtagaatttt acacttgggt
33901 tctttcagca ctcaaaaagt tttagtctga attttggatt tctgggctag gaatgctcaa
33961 cctgtaatat gaattggtaa agtctcatca ggttcagtat ttcatttatt cagcaatagt
34021 catatgacaa gatattcagt taaaaaatga aactataaaa gtacttgaag aaaaatgtga
34081 taattatctt ataattgcaa catgtagaag gcaattctga agtgtgagaa acaaaaacca
34141 gaagatgtaa gaattaatgg ccgattttta aaagtcatag aaaaaataaaa attctatctg
34201 gaaaaaaaat catacaatca aaacaaaagt caaagataaa tggtaagtgg ggagaaaaat
34261 ttcaaccacc aaggtttact tggaaattat tgtagagata caatcttaca tgtgaagaaat
34321 tacttgtgac catctttatc aattgcagtt ttttgatatt taattttttt ttttggacag
34381 cagtgcattg gaaacagctt aaatttttac cagcatgctg gttaaataat ggttcattca
34441 tacaacagaa tatttatatg ctgactcta tttggaaata tctcgaagaa atacaaaaat
34501 tttaaaaaga tgcagagtgg aatagagagt atgcacgtgt atgagaagta tccacttgtg
34561 catgoattaa aatatctctt aaagcatata tcagaaccag ttttattgat attttctgaa
34621 ggggaagtac ttaaatatct ggtaaaagt atcaacttct acgtcaacca gtccaaaaat

FIGURE 1 (continued)

34681 taaattacaa ataaggaaa atcagtcaca tatataaata ttttttttag atctccaact
34741 tggcacggtg aatgctagaa tgtttcttgt attttctggg atatactcca taaaaagata
34801 cctccttaca taaagatgag aatttatgac agttttcaac acagagtga taataaaactt
34861 ttttggaatc ttgtggtaat tccatagaag atgatatgtg tagttgtctt catcaaatca
34921 tcattttaatt ttatgtactg aaaatacata atatacagat tcaattttct agtaatatct
34981 tatatagcaa cttcaactcg tagaacaatg tggagaactt cagcaacttg ttaggggagg
35041 attctgagct gccaaaactg atgctataaa actttcaaga cagtatgagg atgggctgct
35101 cctcaattta aatgtattca ttttatgcaa ggtagatgca atggaagata taaaatcaac
35161 tataaaaaatc atgttattat gtgttcattg caatgtggag taaagtaagc aaatatattca
35221 ctataattga agatggtaaa tgaaagttaa gacttctgtc cttttttgtt cctgtttcag
35281 tcacaccacg ctttatcagg tctgctttta attttgtgta actcatccat ttattttcat
35341 tgcttttaatt tcggcagact tgtacataaa ggctgtttat tttccggtat gaagaataaa
35401 atgttatctt gattcaggca cctcaccctt acaactttct cttagagcat ggctgtccta
35461 agcataagcc taactcaagc tttctgctcc agggcaactc tccttattca tatgcgaatt
35521 ggcaggaatg tattacctca gcctgtgctg gtttgtcttg gttcctgact ttactattga
35581 tccccctttt atataagcat tgaaaatatt tttagtgtct gtgtaaaata tgaaataaac
35641 agtaacagat catatgtgtt tcagcaagct acataacctt ggtatcagat ttctggcagg
35701 cagttcatat tctctaataa agcattttggc tagcagatgg gttaccccat cccactcaaa
35761 gaaggtttct cattcatttg tggaggttgc tgaaaccttt gaacctttgg aattcagcag
35821 attaaagtcc gctctatttg tgaaggggca gatccatttt cctttgacat taaaattata
35881 tctagtatat acatttttat aacatttgaa gggatcaaat gtgttttcca agtcataaat
35941 tctggaaaat ggtcctatac tctttgtttt aattttttata aagataggaa acatactgct
36001 tttccaagat aatcttttca ttttggtatg tgtttattgt actttgtatt gatatgtaat
36061 ccgcaactct cattaatctc cttctctatt tccacccag ccagttcttt ccactaaaat
36121 catatagaga aaatctagta ttgttttctc ttcaaagtga atgagttggg ggggagatag
36181 tgaatcttct ttcttttttt catgtagaaa aattctcaat cctcaacta ttcagtaattg
36241 atgtgattgc tagaccctg aacctactgg taaaactcct ttttgtcaa aattctcctt
36301 aatttagcat cccaagctct tataattttc cacagatggg ctatacagat tacagtgtaa
36361 tcatcacttc tctgtttaag atagcttttg tttttgtttg tttggtttgg tcagccatct
36421 cacatttttg ctcatttttg agtttgtatt caagtaaggc ccataacaca cttttttccc
36481 ccaacttttt aaagtcaagt ttactctga ttgaacctcc tccccgccct gtgtgatcat
36541 tctttgctgt ttgaatttta cttttccctt ctgaactctg gaaagaattt gctgaaactc
36601 agtgtatagt ccttggtgct aatccagccc ttccatttca nnnnnnnnnn nnnnnnnnnn
36661 nnnnnnnnnn nnnnnnnnnn cttagcctcc ttttctgaga agcactttat aaaatcattt
36721 nnnnnnnnnn nnnnnnnnnn cgacttatca tgcctgcttc cagcttgtat ctgtaatttt
36781 gacctcttct gttgtgtttc ctggccctga cacatcgatt ttccctgtga atcttgtatt
36841 ccatactaca aagaaatttg ttgtcatgca cctaagttag caagtctacc ctctgagata
36901 gttcattgtg aattaataga tgaccaatga aaagttaggt tgcaaagaat acaatgttta
36961 tagataaagt cttaccatac aaggacttct caagctttaa atgtatacag atatacccat
37021 atattcacta acctctagag gctcgtgct ccacgcaagt cttgagaaa cttgacaaa
37081 acgtgctac tgcctgtgct gcatcatctg agaacttgtt agaaatgcag aagcttagcc
37141 gtgcaatctt cagttgagta gcatcatctg gtaagtgaga agcactgctc taagatcagt
37201 cttactccag atcaactgat cagtacagct atctgggaac ttgttagaaa tgraaattct
37261 aattttttaa ggaccagcag tattggcatc atctgggaac ggttctgatt caatagaatt
37321 caaacccccc tccaggctca ttgaatcaga atccctggaa ggttctgatt caatagaatt
37381 agtagcttgt gttgtccacg cctacaaaat gatgctgag caggctaagt caagjaactg
37441 atggtctaga gtaattggctc tcaaaccttg ttgcacaata gaatcagcag jacagtcttt
37501 aaaaattctg atagccatat catgtctttc aaataactca aaatgctga ggttagaaga
37561 cagccatcag cactttttaa agatcccagg tgttttcaaa gtgcagtcaa gttttggatc
37621 taataactta atccaccaat gcaaatggca actctggcag ctgttctctg ttatctctat
37681 gtcagaatca cccagctgat gcaatgatcc catctcaga gatgtgact gaataattct
37741 gggatatcaa attattttta cctttaattg ttttttattt tacaataaga aaaactcact
37801 attttttata cactgttcta tgggtcttta taaatgcatt gagtcatgtt tccacttcca
37861 gagtcatgat gaagagaagt tccatcattc acaaaaactt ctcttcacag aaccttttta
37921 ggttaacctc tctccacca tcagccctga caaccctga tttttctttt tatatgtgat
37981 ttagaataat ttatattgat ttattgtcta attaacagat tatttctcca ttgtcatcag
38041 gtccactgaa gagccaaagg cattctttat cctattact gtctcatatc tagtgcctcc
38101 attttgcttc atttttatcc ttcccatctc tctgtgtaaa gctccatctt catctttcat

FIGURE 1 (continued)

38161 gtcattccaaa ttttaatatat tacacattgt tatttttagat tctgtgtcag atagtttcag
38221 tgtctgtgac atacctaaaca atcactgggt tgactgtttt atttcttggc agtgtgttta
38281 ttcttcttgc attctgtatt gtgaaagtaa gtaattctaa atttaagctg cttggaaatt
38341 taaaatatcc tgagcctaaa aggtgccagg gaagacctct tttcattatt gatcttcatt
38401 atagatcttc attataactt tctccttacc tttcttacat aaaggcttca tgattatcac
38461 attgcctaca acggaatgtt aaatacactc atttaaatg gaaaggaaat gaaaataagc
38521 tgtaaagaaa acaagctgta gagaaaagaa aacaagctct aattaattaa attgtaactc
38581 attgaccagc cttggataga atttcttttt ttctgcctat agaagcaaga ccttaacttt
38641 taatttcaga gcactaacct atttctctga agtccatgtt tccaggatgg ccataatcag
38701 ctttttacct gaataaactc tttaaaactg gattctgata cttttgatta ttttagttag
38761 tcagtatgca tctctttttt atttaaaatg gccagttgtg tattatagtg taagtacagt
38821 agacccttga acaacatggg tttgaacatc atgggtccac ttatactcag attttcctct
38881 acctctgcta cccaagaca acaaaaccaa tccctcctct tctcttctct cctcagtttc
38941 ttcaacatga agacgacaaa gatgaagacc tttatgatga tccattacca cttataaatt
39001 agtaaatata ttttctcttc tttatgattt tcttaataac attgtctttt ctctagcata
39061 cttttatata cgaatacact atataatata tataacatat atgtatttagt ttatgtttatc
39121 agttaagtct agtgaacac agtgggctat tagtaattta gttttgggtg agtcaatgtt
39181 caagggtcaa ttgtacaggc tcaggtaaat aggtttttaca cctggaaatg agcactcttt
39241 tcttctgtgt aggccttttag tgtggggatt gtgttaatct agtcagaggt tagtctgagt
39301 ttaaggtttg tagctatggg tacaaccctc agtgaacctg tgatattgtg atttataata
39361 caaaatatat attcgtcttt tgttctgtgt tctgtttaca catctcctga agcacttgga
39421 atcttcaaaq tgatgactgg tggcttgtgg gtctctggat agccccaaga tgggggaaac
39481 tgggtgtctg gagaatgaac cctgtgatta caaagtgtg attttcaacc ccatccctctg
39541 atcttcaggg agaggagagg aactaaaggt tgagtaaatc atcaatagtc agtgattcca
39601 tcaatcatgt ctacacaaaa aagcctccat aaaaaacaa aaggacaggg ttgagagagc
39661 ttctaggttg ctgaacacat ggaggttctg gaaggatggg gcagccagag aagacgtgga
39721 agctccacac ccgtcttctc ataccttaca ctctgcatct ctccatttg gctgtgcac
39781 tttatccttt gtaaaatgct ttacaataaa tgagcaaaca tacgtgtttc cttgagtttt
39841 ataagccact ctagcaaat aacctgagga gggggatgca gtagtctctg atttatggcc
39901 agtttagttag aagaacagat cacaacctgg gacttgtgac tggcatctaa agtgggtgca
39961 atcttcaggg actgagctct gtgagatctg acattatcca ggtagatcat gtcacaattg
40021 agttaatacc aagggtggtat ctgccagaga attgctgggt ttatggggaa aaatttccac
40081 acattttggag tcaaaagcgt tctggaagta tgcagaatga tgagtgggtg gtgaaaatgg
40141 aaaaaaaaca ctgtttttatt ttctattctc cacagaacca tatactttaa atttctctag
40201 cagtaacgta agagtaagag ctgggttctc agagggtttt ctcatgctct cttcaccatc
40261 agttttaagt cttctcttta tattatgcct tagagtggct gtgttttcaa attcttctct
40321 cactctcagc agtattgcag tcttacatgt tacatgacct tcttaatctg attgtgcagg
40381 acatgttagag agtgtttctg tttgttctaa ttaagaacaa aataaaatgt cttagaacgg
40441 caccgtgtcc ctgggttttg ggggtgtggt cttctcaatg ctccacctc actcccaact
40501 gttgtttggg gccaaagtcgg aattcctgcc tcttttaca gtggcagcat gttttttct
40561 gttcttcaac ccccatcttc aatgggttgt caccatgctt ctgagttagt taaactctta
40621 ttctgtgagg gacacagggg gcaggagtc aggtgaaatt ttgcacgac acacagtggg
40681 tgtgtttccc ttctctcagg cttgcactgt cagagatgct ttatcagaac tcttggcagc
40741 ctttatcggg acctgctggg atccctggag aagaatatgc aagggataaa gatgtgtct
40801 ctccctgtga cctccagggg cttcataata ttttaccac ccacatttat gctggtccaa
40861 ttgtttacct gtttttagct aattattctt tctggtatct tctcataaca tctaccacaa
40921 gaaagtagat gottgggtcc gtctatccct gcagatgctt gactttttt atactttatc
40981 cttatttagc acctataaag cttagctctc tgatgggttc aagaaaagcc atgaacttat
41041 agtttgttca tttctttttg ctctagaggg tgtgtgtgat aacattttca gotttttaca
41101 tttbaaagca gaaaaccagaa gtctggattt ttaaaagcat ttcagttcat cttaatgtgc
41161 atccaatttt gaaaaccatg gcttttttag aataatcttt gaaggcaacg atattcttca
41221 agtcagaaaa tgtgtgcttt gctttttgct gttcatgcta tattactcaa aatataaaca
41281 ggagatccta cttttagtag attaatattt gacactaagt taatttgcct ctcagtgctt
41341 ttttcccatc ttacctgttt gggttcaggac cttttatgag gctattagct tgattttatc
41401 acattgacat tctgttatct attgccaac taagtgtata ggtttctagc tccaaaacaa
41461 acaaaacaa acacaaaaga caaagaaagg gaaagatgaa gaaaagataa taactgaaat
41521 gtaactatcc atttttcaaa ccagagaatg atcaaacaaa aataaattag tggaaactga
41581 agaaacaaat gagaaggga tgaatagcac atatatctct taatcagctt gtcataata

FIGURE 1 (continued)

41641 catttgaaga aagaatatgt cagggtatata tttttccaag tcaatatacg agacgtaaaa
41701 tgagaaatgg ccaacttcat aaaattacac atttcttttc cattataaga atactggaat
41761 aaaaattaaa agttagaatt accttatttt aaacaaaaaa aaaaccagag attcaaaatg
41821 aatgatcact taaaatactc ctttatattgt tctacactgt gttttacaaa tagaacttcc
41881 agtgtttagtg attcttattt ctttgaaaaat tgagacctag gccgagcatg gtggctcatg
41941 cctgtaatcc cagcagtttg ggagcccaag gcaggaagat ggtttgaggt caagagtcca
42001 agaccagctt ggccaacatg gcaaaaccct atctctacta aaaaatacaa aaattagctg
42061 ggtatggtgg cagcacctg taatcccagc tactcgggat gctgaggcag gagaatcgct
42121 tgaacccggg aggcagaggt tgcagtggc caagataaca ccactgcact ccagcctggg
42181 cgaaagagca agactccgtc tcaacaaaaa aaaaaaaaaa agaaaaagga aaagaaaatt
42241 gagacctttt agttaatttc ctatagaaat tttttttgag aaattactaa aatttccctt
42301 attcagttcc tttcagttat tatattagta tattaaggtt actatttctt aatacactaa
42361 cattctcagt tttagaaact tcatttccca gattcttcta tcttcacata tctaagtga
42421 actcagaaaa ttatctgaca aacatctaac cagtattgta ggagcatcta aagacactaa
42481 agaagaatta caaaacaaaa atcataagga tttttctgac ttttgattca ttttgcttct
42541 acctctattc cttttcaata taacacagaa acacacacac acacacacaa atgcacacac
42601 acacacagat ggctacacac attttatttac agataactga tttatatccc tggaaagtatt
42661 taaacatgaa atgtaacctc taattttata tacagtacac tttcttccctc ctggataacta
42721 tcttatttca tttccagat acacacctaa tcatgggtgt atatggaaaa ttcataacaa
42781 aggggaagta ttaaaaattc tgaacatgtt tcttttaatt ccaatttcaa caaacctcca
42841 ttttcacctt gctgtctagt catatgctta ctatttcaaa attgggcaat tttgggcaag
42901 tgtaattctag gctgacttaa taccaggagt cattgatgtt gtgaacacag cttaaaaata
42961 cctcccaatt taacaaaaca ctgcttaaat tacatgcgtt aaaagtagta cctttggtag
43021 gctcatgctt taactgatat caacaattgc ccgagaatgt ggaagtcagt gaacccaaaa
43081 aggagcattg ccaattaatg cttttacaat ctgtgagcaa tttggaaaca ggtctccaaa
43141 tgtagacaag aacactaaaa acattcaaga aactgctgat gaacaaacct tgggggtgat
43201 agctacagtt gggaatttac catcattgtc tggtcacact aggtcctctc agccacagag
43261 aattgagggg tcatgtgaaa atatatacat tttatttttg ttgattaaaa ttttactagt
43321 ttgtatttaag gtggatttat taggtgaaaa taaataaaaa tatattttatc caaaagatgt
43381 atacatgaac acacatagtt ctctttcttt gtgtaagcca gtcagttgca tctggctgac
43441 tgcattctag aaatcagagt gcacccaaaa gtccacaggc ctccacagaa gtagggggta
43501 aaaaggcaat tcaatctagc ttcaagtttg cagagtcaca tcagtcacaa gttctctcag
43561 tgatccacat aagtggagga ttgtaataat actgagctat gaacaaaggt aggaagaata
43621 cagagaataa tttctgtag ccactttata ctggttccag ataaccactg tgcattctct
43681 cctgactgca ttgggagctt gaattcagct atgaaaagaa gaatttagaa cttgacaaaa
43741 aacaaatcag gtttggttat ttgtttctcc cagagagcta gtttattagc atjcttttag
43801 aatgtatgtt tacaataaaa aatgacatga atgtoagta gtaaaacttt taga jadat
43861 ctgtgcattt ggtttccaat ttgggagaag cttatgctat gaaaaactca agccctctta
43921 tgaagaagaa atgcaactaga aggtctatct aagggtgata ccacagacaa aagctctctc
43981 ttattttgccc agtataaacac agttctctat gatgaagggt cttctataaaa tagctctctt
44041 tgcataactaa cagggtggca acaatttgc aataagaagta gaaaagtaac tgaattgat
44101 gtgaaattca gtccttttta attatctttt tttctacatc ctgaagcaca tttctctctc
44161 tcaaaaataaa ttggtctgctc ttggcctgga agtaacaaac tagaaacctg aaggtctctc
44221 aattttgtggt ccagatgaga aagtctggaa aagctgctca agtgaaacct ggttatctc
44281 ttgtgatgtg atgatatgaaa ctctcatgtt accctcagat tttcactctc taggtctc
44341 caatcttgcg gtctctatct ctcttgattc ttgtctgaa ttaacctcaa ctgatatca
44401 gaaatcttgg aatcttatta ttggagttat jcttaaggtt ctttaactag gtttatctc
44461 gtaaacattg ttagagttta cttgatttca agttttat taatgtatta tttctctc
44521 tagaaaaatga attcagctac cacaacaaac tctgttatac agttctactt attctctc
44581 aaaaatcacta gttgttcaac caagcagcag ctgaagttca aagtgcaatg gaaatctc
44641 acatcagagt ttgttttcaa ggaactctga aatttttagt acccagataa taatctctc
44701 ttttaattat tagaatgtta aaattgatac aaattcaatt agatgctctg agtttattc
44761 ggctgttaaa aaataaaaaa catcaaaaaa aaaaaaacag aaagctctta gattgtttaa
44821 gttgtctctc aaggtgtaat tagcaatgtt attctatcaa tattatggca caattctctc
44881 aagcaaatca ttcagaatat tattttacac actctaaatc tttgtctcac ctgaagttat
44941 gatctgaaaa caacactaac aacactatag tatacctaac acatatctta gataatctc
45001 aaagtgtatg attacatctt tgaattctac tatcaaacac atatacttaa ctactgaa
45061 tgaattcaat tgttaacttt gtaattctac tttgaaaggt ttctagtctt taattctctc

FIGURE 1 (continued)

45121 aaaatatata atattttcaag tcaattacta cacttgagca tgctgtatat aacaggagta
45131 gagaagagaca aaggaggggt ccatcgta caacacatgt ataacagtgc atctcttact
45241 ccttaaaatc cctattttgtt gatgcccaaa tttggaaaaa agtctatgca aagtttaaaa
45301 aaaattcaat gaactccact agtgaaccaa tatccccact gaaccattct agatgtccac
45361 atgcctagtt gtgcgagaca tacctgagtc cagaaatgct agaagctgca agaattctag
45421 tctgggcatt gataaagaaa agactgcaaa aatatattgt ggattcccta gggcctacct
45481 ttgaatggac ttagccacag acaaagctct aggttccctt tttagctttt ccatattgac
45541 tcttgggtta gggatagtga aaacttacat catagaactt attttagaga agtaaaatta
45601 gcaaaaattg tgagtaaga cctctgaaca ttctctcctt tgtaaaagct ttgagcaact
45661 ggcaaaaaat agctttgtca gaaatctgga aattaaccaa agacttgca taatctggag
45721 agtattttgt gagaaatat gtttaattct aataaaaaaga ccaagctttg tgacatttta
45781 acttgcccta ttttcacccc actctccaga tccatggttg cctcaaaaat caatagccca
45841 caattgcaat gaacaccagc agtcacgcag cctcagagg aggcagaatg ggattggaga
45901 tctgtcaaa cctcattctc aaaggactgt ggtacattgg aagatctgat ttgcaatgtt
45961 ggggtttatt gatctgtcta tgaactcagt cacaaaaaga caaaaatagc acaattccaa
46021 atctatagta gtcaaaacct actactatga atctatctaa agtagcgaaa ttcatagaaa
46081 gtatgcaaac tcgtagaaac aaggtatata atagtgtatc aagggtctgt ggcatgagga
46141 aaaggggaag tgtttaattg gtatagaatt tcagattttt aagatgacaa gttctgaaga
46201 cttgttttat aacaatgtga atatccttaa cactattgaa atatatactt aatattggtt
46261 acatggtaaa ttttatgtaa tgtgtttttt cccacaataa gaaaaaaata ggaaaaacta
46321 ataccagctg gctttttttt ttttgcaaaa attacaagg tgatccttaa gaaaatgtga
46381 aataaaaaaga gactccaaaa aatcaaaaca atattgataa agaacaaaga gaacatacat
46441 atcctgattt caaaacttac tatgagactt ttgtagtaaa gatagtgtga tactggcata
46501 aagacagcca tacacatcaa tcaaatagaa ataagggtcc agaaatgaac cctattttt
46561 attggcagct gacttcaaca atagtgtga gacaattcaa tgtagaagga agagtctttt
46621 caataactac tactgagaca acgggtattt cacatgccaa agaatgaagt tgtatatcaa
46681 tctcatccct gtataaaaa taacccaaaa tgaattaatg aataaaaaaa cctaaaacta
46741 taaaaatctt aaaagaaaac agatatgtaa atctttgtga ccttggatta gctaatagta
46801 ttttagatat gacacttaaa acacagaaac aaaagaaaaa aagagacaaa ttggacttct
46861 tcaaaaactaa aaacctttta gcataaaaagg acactattga gaaattgaaa aaccaatcca
46921 cagaatgggg aaaaacattt gcaaatatat atatataat ttttcatgtt attcatgttt
46981 tttctctcc ccaagtga ccaattgaga ccttcattaa aatttttgat cctttttatc
47041 gactatatgt caatataaat aatatgtcaa aataaaatgg tctatcaaga tctatcaatt
47101 ctgtaatccc agcacttttg gaggccgagg cagggtggatc acgaggtcag gagatcgaga
47161 cctgaccgac atggtgaaac cacatctcta ctaaaaatc aaaaatttag cgagcatggg
47221 ggcatgcacc tgtagtccca gctactcagg acctaaaggc ggagaatcgc ttgaacctgg
47281 gagggggaag ttgcagtgag ccgagattgt gccctgcac tccagcctag gtgacagag
47341 agactgtct caaaaaaaa aaaaattaat tcacagaaga agggaagaag ttcatatatt
47401 tcatatacta tgaaattcac caatttaaag catgcaatgc aatattttta gtacattcac
47461 agaattgtgg aaccataaca aaactctaat tttagaaagt ttttattttt cctaaaagaa
47521 acacttgtat ttattatcag ttattctcca actgcccac caatttacct aacctagta
47581 atctactttt tgtttttttt cctgaatata tatatgtata tatacttgac aagagttag
47641 tatagagaac atataaaata caaatcaata aaaaaattaa tccaatttta aaatgagtaa
47701 atgatttgaa cagacatttc taaaaagaaa tatacaagg gacaataaag acatgaaata
47761 cactcaacat cattagtcac tagggaaatg caaatccac nnnnnnnnnn nnnnnnnnn
47821 nnnnnnnnn nnnnnnnnn atacctatc tccatggtt actgcaacac tacttataat
47881 nnnnnnnnn nnnnnnnnn atacctatc tccatggtt actgcaacac tacttataat
47941 agtaaatata tggaaacaa ataaagtatg atcaaacag gaattggataa aggaattat
48001 gagtacacac ataattgga atatttccac cataaaaaag aaggaaatcc tgttatttgc
48061 aacaataaaa tgggtacaa tggaggttac taggttaatt atataagcca tgcacaaaaa
48121 gacagttaca gatgggtcca ctcatatat gatattctta gttttctttt tgttttgaga
48181 ataacctaaa accttgccaa atattctaaa ttttttatct aaattaaata taataaatct
48241 taccctacag attataaaga gccagttttt aatttttaac gttcatccaa aagtaagttt
48301 agaatacata tccatgggaa ggaattgcac aaaaattgtt ctaaaattat tcaggctttt
48361 tagcatgtct aaatggaata cgggataatt atggggtatt ggaaacattc taagatttga
48421 taattggggt gactgcacga ctctgtaaa ttaattaaat ccattgaatt ttacacttac
48481 aaatgtttat ggcatgttat ataaattatg ccttaacaaa gctgtgtttt ttaaaaaggct
48541 caaataaacc actaagttat tacaattgtg tatattttta tatgacagtg aactatgott

FIGURE 1 (continued)

48601 ccataaaaaca gttgagttgt ccttaaaaaat accacataaa aaataagaat gttttgcttt
48661 attaaaaatga acatatcctg aattcttgga ctttaccaga gctaaccctta attaagagtt
48721 taggaattgt gttacagaat gggcatccta tttcaaacca tttacaaaca gtttaattca
48781 ttctcccagg ccctagatta caattttcaa ctatattcat tactctgtat aaacttttta
48841 aaaagggtgt tgtttttaa aaataagaag ggtaaaaaaa attcttatg tggcttcaat
48901 tgctcatccc tctttaacct cctggttact ttctcatgac ccctaggttt tttccacagg
48961 atagtcattg taggtaatga tgcagaaaat gttaatgact cttcttagac aacaacttgg
49021 ctgagtgggc acccatgttt tcagttagct ggctgttctc acaggagatg tcagaaattt
49081 tatctgtttg tttccattat atatcccaa cactaacagt gcctggaaga cactgtgtct
49141 tccattaaaa ttttattatc ttttctgtca agctgggtcc taaagtatca tctaaatcaa
49201 caaactcaac ctcaagcagg ctttaggtat atcacagtgt ccttcttctc atgagaaaaa
49261 aatagggtccc tcaactatac agttgtccac aaggacaaat attagatagg gggccggagg
49321 tgggggatgg tgatgcgaga gtgatggtag agaaaagtcc ttcctaaaac ccaaaaggaa
49381 gcttgaggat gtaaaatcat ttctgactca catgtagtaa ctcttacaag gagaatctgc
49441 ctgagagcca aagtgaaaat gtacatgtgg caagttaaag ctgactaata tgggtgtttg
49501 aaatccatgg taatttttaa ccaaaacata cccagtattt attctacaga gctattttta
49561 tgaacttggg attctttttc taagtgtaaa aaaaataaca aatgctgtag aaaaattccc
49621 agtacctat ggctaacct tgccttacca tacttcatct tgcaaaatag gtaaccacaa
49681 gcagaactta atattttgtg taaaataata caggaaaatt ttacagatgc aagtgttatg
49741 tatcttttga aaatttttaa gtgtgtacgg cactgggact tcattatatt aacatttatt
49801 ttcatctcat aattttatac tttcttattt atactaatgc ataaaaatat tactcttatt
49861 ttcatctgca aataatttgt gtctttatat tttcaaattg agaaaaataa tgtaaaaaga
49921 ccttcctaag ttagagggga aaattcatgg ggacttaaaa tgagcaatca ataacaaaaa
49981 caaataagac acagaaaaa aaataaagga agtagtaact aataactcat gacaatttga
50041 tgttattata aaattataag aagatggcaa aaaagagtgg atattttta ttaggagagt
50101 aaatattaca caaaatacat ttacattaaa aaggttcttc tttcttagta acacaggctt
50161 tctaattgtc cacttgtatt tataactttg cgtggtcttc tttcttctgt ttaaccagaa
50221 tccattaaag taccctgtct aatagtaaa ctcactatga tctttattct taactcaaga
50281 ctaaagtatg aatttcacaa aaacgttagc tcttgccatg ttgtctcatt agtgtttatg
50341 gtaattcatc atctttaatt acatcatctc agaccatagt tgatataatt tgaatctacg
50401 tccccacca catctcatgt tgaaacgtaa cctcagtgcc tggaggtggg gttgggtggg
50461 aggtgattgg atcatgagg cagtttctaa tggtttagca ccatcacctt agtgatgttc
50521 tcattataga gttctcatga gttctgatt tttaaaagca tgtagcacat cccctcactt
50581 cctcctgtct caatcatgtg agaccttcat tctcctttg ccttctgcca tgatcctaag
50641 tttcctgagg cctctccaga agccaagcag ctggccagca tcatgtttcc tgtacagcct
50701 gtgaaattgt gagccaacta aatctctttt ctttataaat tatgcagtct cagggaatttg
50761 tagcagcaca agaactgatt aatacaatag ttttataact agtaatatct acttttgctt
50821 cttttttttt attataactt aagtttttag gtacatgtgc acaacgtgca ggttagttac
50881 atagtatac atgtgccatg ttggtgtgtc gcaacccagta acttgtcatt taacattagg
50941 tatatctcct aatgctatcc ctccccatt cccccccat acaacaggcc cccgtgtgtg
51001 atgttcccc tctgtgttcc atgtgatctc attgttcaat tcccacctat gagtgaat
51061 atgcggtgtt tggttttttg tcttgcgat agtttgcga gaatgatggg tccagcttc
51121 atccatgtcc ctacaaagga catgaactca tcatttttta tggctgcata gtattccatg
51181 gtgtgtatgt gccacatttt cttaatccag tctatcattg ttggacatct ggggtgggtc
51241 caagtccttg ctatcgtgaa tagtgccggc ataaacatac ctgtgcattg gtctttatag
51301 cagcatgatt tataatcctt tgggtatata cccagtaatt ggatggctgg gtcaaatgg
51361 atttctagtt ctatgtcctt gaggaatcac cacactgact tccacaattg ttgaactagt
51421 ttacagttcc accaacagtg taaaagtgtt cctatttctt cacttctctt ccagcaattg
51481 ttgtttccct attttttaat gatcgccatt cttaactgtg ttgagatggg tctcattgtg
51541 gctttgatgt gcattttctt gatggccagt gatgatgag atttcttcat ggttatcttg
51601 gctgcataaa tgtcttcttt tgagaagtgt ctgttccaat ccttccacac ctttttgatg
51661 gccctatttg tttttttctt gtaaaattgt tctagctcat tctagattct ggataattag
51721 ccttctcag atgagtagat tgcaaaaatt ttctcctctt ctgtatgggt ctgggaaaaa
51781 tggctagcca tatgtagaaa cctgaaactt gatcccttcc ttacacctta ccaaaaaatt
51841 aattcaagat ggattaaaag cttaaatgtt agacctgaaa ccataaaagc cctagaagaa
51901 aacctaggca ataccattca ggacataggg atgggcaagg acttcatgtc taaaaaccca
51961 aaagtaattg caacaaaagc caaaattgac aaatgggata taattaagct aaagagcttc
52021 tgcattagcaa aagaaactac catcagaggg aacgggcaac ttacagaata gtaatatcta

FIGURE 1 (continued)

52081 ctttttaaaa caataattcc ttgtcaataa tttttttttg aaatggagtc ttgctctgtt
52141 gccaggatgg agtagagtgg cgcaatctcg gctcactgca accttgctcc tgggttcaag
52201 caattctctg cctcagcctc ccaagtagct gtgattacag gcacctgcca ccacgcccg
52261 ctaatttttt gtattttttg tagagacagg gtttcacat cttggccagg ctgggtctga
52321 actcctgacc ttgtgatcca gctgcctagg cctcccaaag tgctaggatt acaggcgtga
52381 gccaccgtgc ccaaccatat ttaatacat catctacaaa tataaatctc agctctttaa
52441 aaagtaattg aatatagatt ttaaaatcca cagggtgttt ctctaccat tcagtaaaaa
52501 tgacaaccag atcatcttga tcagcatagt gttccatgac ttctttcatt aatctcactt
52561 tctggccccc tccaatacta ttaattccat caccacctct ccattcttct ccttgacca
52621 ggacctataa acaaaatcaa catttcattc ctgagcaaaa ctcaaattat gaaagtacta
52681 tgaaaaaact aaagacatca tcaacttgaa cagtactgta ccgtaaccac tcttctaagt
52741 tttcatggaa tcatgattct agaaaaaaa atctagatgc ctaaatcaga tcataattct
52801 tcaatgttat ccaccccaa aatgcccttc tcaattttta ccactcaca agttgtgagt
52861 ctaatccaag gaagtagacc cagaaagtat ttctcacatt acatcatttt attctatttt
52921 gtttagacca taaagaagaa aaatgaataa atttcccata tcaacttttt ttcaatctgg
52981 caggaaatct ttatgatcaa cattgaagct cagtgactcc ttgatgagg gcttttaagc
53041 aatttttcta ctgaacccaa atgggttttt cagggaattg cagagggcat caagaaaaaa
53101 atcaccttct ttaccttata catcttaaac ttatgtaatt gtctaaagct taataaggat
53161 ttttcaatgc aagatattgc ctaagatgta ttaattttaa ttgtatttta attaccctgt
53221 accctttctc ttcaactattt gcttgagctc cagcagctgc tccctgaatt ggaaatgcac
53281 gatgacacac tgactctaag ggaacagaaa gtgcaataca cgtcccttcc cccacacaac
53341 acacaccttt tctcttcatt tcatcaaaac aaagtctgaa gttgccatta taatgatcta
53401 ctaagagatc tgggaaatta atggagaatg aaattaaaaa taaacacaca agaaaaggat
53461 aaaataaaat ttaataataa ataccactag ttctaacttt acttaatact gagccggaga
53521 taaatcttgc tggcaaagcc tgtggggctc ccagcctcaa atgtcctgtt ataacttata
53581 acttcctatg tggcaggttg agggaaaaaa acaaccaag aaaactcaag ctgttttggg
53641 tctggattca aactaggcta atctagaagc attaatagta cttgctctaa aaattggcct
53701 cctctggccc tgagatttgt tccacaaccc atctggaatc cctaatecta atgcaacatt
53761 ggacccaacg acatctgaga gtctactctg tgcaatacac catgttaagc accacctct
53821 atgttctttc cactacacta gtggttgtca aatttcagtg tgcatctgaa tctcatggaa
53881 gccttggttc aacacagact tcagggtatc actcccagga tttgtaattc agtcgggtctg
53941 agggggagcc tgattatttt ttctttctta tcagtagcca ggcaatgcag atgttggtgg
54001 tctggggtcc acactttggg aaccactgca ttacatgagg agagagcaaa aggatcataa
54061 actccagtaa gtttaagtggt gatgggtccc aagatctgat attatacttt atatagttat
54121 ttgccttggg acaagttttc ctcatccaga aataaagtag tatctacctt acatgggtta
54181 tatagtgaat taacagcata tcatatataa agttccttac aagggtgcctt gcacataaga
54241 aacattctac tctctctcca ttctgaaccc taacgatctc ccaactagat ttcagcatta
54301 ttttatctta atttttattt cacagtgtct cctatcagtg catactgcta cattttccat
54361 ctatcatagt aacatatatt taacatgttt ttcatctatc ctatatataa catctagtgt
54421 ttaccactac atctcttttt cagcaaaagt tagctgttta ttagctgttt tatattaaca
54481 cttagctgtt ctatatattt atctataact agtattccag tgggtattta ataaaaacta
54541 cctttttta atactacata ctcaaatgga tcagtttttc tccaaaaagt attctttctt
54601 ctttttttaa aaaaaagttt ttgtgttttt gtgttcttac ctagggtatc ccttgttttc
54661 ctcttatttg tagaaaagac ttggctgaca gatccttctt tctattaaaa aaaaacaagt
54721 agtaaatata atggcaggcc tctcatagct gagtttaata gttctatcaa ttctcttaa
54781 ttctctctga tcaactgtca atgagatgtt caccctggga taagttttct aaaaatgctt
54841 ggttaaaaa atacttaacaa tctctccaaa taccctctaa tgaatacaaa caaaatataa
54901 aaaaaagcaa aaaaaaagc aattctcaat aatagacaga aaaggaccc tcttcaat
54961 tgggtctaat tccctgcaaa caaagaatca tccctagata gcaaaaacca ttaagaaaa
55021 aattatgcag tcagtgaaaa aaatccctgc caaatcttat ttacattgta ttgtgacag
55081 aactgocaga aagaaattat atatatatat gcaaatacat attaaacttt tttgtgtgt
55141 ttatagagta tttttatata aagcattggc aaaaaattca aaattattgt ttgagtggca
55201 cagcattatt ttatcttaat tattacaggt gcataatagt tgcattttta tgggttacat
55261 gtgataattt gatcacaggc tataatgtgt aatgatcaaa tcagaatact ttggctatcc
55321 cctacactca agcatttacc accatttctt tgtgttagga aatattaata aagcctaaaa
55381 ctacatgaac taacagtaat tatgttaacca atgctatct tctgtgtgag gattacagat
55441 tttatctgtg ttatgaaaaa catactttag gcacacatta taggatcttc atagggttaa
55501 ggtatataca taccctcaaa gtataattga aatatttgg: agactgata aatcagatga

FIGURE 1 (continued)

55561 atccatcact ttcttttgtt gctacagtta tgactaataa tttatctgca aagacaaaag
55621 gaaacaaaag aagggtttacc aagatatcaa atgctcacat ttacaaactc actacagtaa
55681 ttgagacctc actaaaccgc tgggaatatt ctgggttact tatctacaca agactaaaca
55741 aagagctgtc gaaaaaatag atgactcaaa ttgggttgtat tactgccaaa atctgaacct
55801 tcaaatgaca attattttcaa cgcaaaaaag tatattgatg attaagaaaa atcatgccat
55861 caataaagta tttcaatatt gagaaaaact tccataaaat gaactttata atccatgatt
55921 aagattctct gacattatct aatcaacaaa ctccaacatc atcgataaat cattcctgat
55981 ttatgacatc accagtgagg agatcagcaa attacattca tcaaaaataat gacatacaca
56041 aaaaaaacag atacaatcat taaatctgat tctaattttc taaaataaat tgtgacaact
56101 gggagcaaat atttaaaaca aaatcttaatt tttttctcc tatccgggat tgccttttca
56161 tgaaaattct tacaagcgac aacattattt attgtgtttt gggttctctt taaagaataa
56221 atggaatcaa aataaccact gccctagtaa atatacaact atttagctacc attttataat
56281 gaaatattac tttcaatcca acataacact tctttttagt aaaattagat agatttaagg
56341 aattgtctca aaacacctac ataagctact acagataatg attattttta ataggaaaag
56401 gcatgtttgga aaaatgcaca aaagaaacaa gtgcatcaac aaatgccaaa agggctggaa
56461 catttttttt taactgaaga tttagaagga cctacacact aagaaagcaa aactaacatc
56521 ttttcaatat tctctgagta acatcatttg tttctcactt gccctctatt tataagaaaa
56581 gaattcaggt tttgagtac ccctaagcaa caatcaccaa acatggcaat aatgcattat
56641 aggaatcagt taaaaattat agcagatgaa ccaatgtatc tatctgtcaa atttgaaag
56701 taactacaat aaaatataag taagtacaat atacaaagaa atactaaatt caaacattca
56761 atagtcaacc aaaaaaata atttccatga agataaacat caacattctt agattttttt
56821 ctaagaaaaa ggtattttctt ggccaggcac ggtagggtcat gcctgtaatc tcagcacttt
56881 gggaggccga ggtgagcata tcacttgaga gcagcagttt gagaccagcc tgggtcaacat
56941 ggtgaaacct catctctact gaaaatacaa aaattagtcg ggtatgggtg cacacacttg
57001 taatcccagc tacttaagag gctgagatag gagaatcgct tgaactcggg gggcggagat
57061 ggtagtgcgc caagatcaca cggctgcact ccagcctagg tgatgaggcc ctagttaaag
57121 tatttttaaga atactttttta aaattaacta tttaaaaaag ttttcattta taaagtttca
57181 aacagagctt aactgattat gaaaatttaa cattattcag agtaaatttc aaaatagggg
57241 ataccacatt ttatttttata agaacaaaga gcttttttaa gtctatctgt aataaaatta
57301 ctctatttaa agttacattt cttaaatttg tctatataaa tcataagaat taactacaag
57361 tttcagtttt tactggatgg attttcacac ttacaatttc agtataaagt taacagcaag
57421 gatttcatca tccttaatag gaaaagttaa gttggccaga cccttgagta gacaaaaatg
57481 ttaccaaata caatgactca gaaggcaag tttcagttat attgtctctt ataaataacc
57541 caatcctatg ccaaataaga actcctactg tttcagttat attgtctctt ataaataacc
57601 tcaaccaaata cacaaatata caattttgtt aaagaaaggc ctgggttagta atattacaca
57661 tgaacagctg tttcctctaa gttgctattc agtatcatga ctatgataag aaaaaaatct
57721 tagttggaga aaaaaaatag tgttgacatg tatcaccac atgctttttt ttaaccaatt
57781 caagaattca accatctcac catttatgaa gtattactgt tagaaaaagt aacctaaact
57841 ggatcgtac ttttcagatt tcaataccat ttatgctaca aattttaccg aaataaaga
57901 acaagatat ggtgacagga aagagatgtc agcaataaaa ttcagaacat gagaaattct
57961 ataggacaaa tgattttatgt aatcgatggc aaaagacaga aaagggaagg gaaatataa
58021 gaatattaac ataagagaca tttcaaacaa atgttagtca cggacctgag ttgggacctg
58081 atttgtaaaa gctataaaaa agcattttgt agaaaattag agaaaattga acactaatta
58141 ggtatttggt gatgttgaga aattagttaa ttttttagca tgctaatttc atttactttt
58201 ttttaaaaaa gagtccctat aatttagaga cacataactg agtaataccc tatcaaatga
58261 tactatgctt gcaatctgtt ttaaagttaa ttggggtaga tagattaaaa caagaactgg
58321 catatgtgat aaataactgaa actgcatttt ttgttatgtt taaaaaatcc tataatttaa
58381 atttttccat ctattcattc acttattcag tcaacacata ttttccaaag ccttgggttt
58441 gttactccat gttgcataca aacacaaaaa tcaagtgttaa aaaaacataa acattttttt
58501 cgtatgggtt agcaaatatg gctcagatga atagttcttt ttattattta ctttaatttt
58561 atttttagatt cagaggtatc aggagcgtgt ttgttacata ggtatattgc atattgggtg
58621 ggattttggc tctagtatat ccattaccca catagtgaac actgtaccca acaggttaac
58681 tttcaacctt tttcaacctt ctcccaacct cctgcttttt ggagtcacca ggtgtatttt
58741 ttttccattt tatgtccatg tgtaccattt gtttagctcc caattataag cgagaacacg
58801 tggcatttcgg ttttccaagt tagctcacat aggataatgg cctccagctc cctccatcct
58861 gctgcaaaag acaggatttc attttttttt aatagctgtg tcatatccca tggatataat
58921 atatatccaa ttttctttat ccagtcaccc actgatggac ttttaggttg gttccatgac
58981 tttgtgtgtg tgastagtgc tgaataaaac ttatgagtaa aggggtcttt tttatgtaat

FIGURE 1 (continued)

59041 gactttctttc cctttgagta gatacccgat actgcgatgg ctgaagaata cttctcaaac
59101 gaagaaatag gactggccaa gaaatatatg aacaaatcct caacattact aatcatcaga
59161 aaagtgaata tcaaaaccac attgagataa ccatttcaca ccaatcagaa tggcttattg
59221 gtaacagggtc aaaaaacaac agatgttggc atggatgcaa agaaaaggaa cacttacaca
59281 ttgcttgtgg gaatgtaaat tagttcaacc tccatggaaa atagtatgga aagttatcaa
59341 ataactaaaa atatagaatt cctataaaga cagagtacaa ctttatgtaa aatctctaaa
59401 cttccaatca aaagaaagat agaaaattat gcaatgtaaa tcttttagca gactgacaca
59461 tctaaggata aggaagata aaatgtacag agttctttta ccaaacagta ttataattta
59521 aataactata attaatcctt tttccaatcc accctccaca agccaaatga atgatacagt
59581 gagatgacta aggaatggtg cttcaataac aggcacctgc caaccactaa taccaccaat
59641 ctataacagc aaaagctatc tcattttctt cgtttcagca agatacctgg agatcaggg
59701 ttaaaaaaac aagcaaatgg aagctcatca gtagccaaat gtaacctcta ttgccacctt
59761 tggactctat tagataacag atcaatacag tttccatgaa taagaaacag gtgatgcac
59821 tatacagtgt ggtagatttg aacaacaact taccaaatga aaatcagtgg cagactatgt
59881 aatcatcttt acataatcct ccaaaatgcc tatcactaca gtaagattta ataaatatat
59941 gttaaatggc tgtatatatt gctctgtctg aaaattcaga tgaatttcac aatttcccca
60001 aaaaatcaga agtcaatttg tttagaaagg ccaaaacatg ctatgtcctc aaagctctag
60061 aagaaaaaaa aaatgcattg ttggagctat tttttctctc aaatagctgt tgatatctga
60121 acacaattta ccaatattca gtggtgacac aatttttcta ttcaaaaaa aaccatggtt
60181 ttaaaacaga aagtgttttt gctaataat cctgtcacca aatgctaaag cagcttctga
60241 agtccatctg aaatcctttt tttttttttt tttttttttt tttttgagac ggagtctcag
60301 tggcactgaa atcaattttt ttaatgaggg catcacagtt aaataacagc actagcccag
60361 ctgcctttta tccatatctt ctcaagtaac tttaaacaca gttcttaatt ttaaaactggc
60421 aacaataaaa aaaaattatt gtgccacaga agtaactgtg agtacactgt tctcattcta
60481 caactaactg attttatgac cagacatgtc ttttatctgt aaagattact gtttctcaac
60541 tttctactaa agaaaaatgt tttcgtagta aaagcataat agagatgttg agaaacttct
60601 tctgcaaaag gtcaaatagt aaatatctca ggcccttatgg gccacataca ctgtctaata
60661 caatttgatt ttttctttat ttttttaca ccttttaaaa atgtaaaaaa catttgtagt
60721 tgtctggctg gctgtgcaaa aacagccaaag ggccagaatt ggccaaaggg tcataagttt
60781 gctactttat catatagttg gccatatgga tctgaaggca aagtaaaagt taaatcccag
60841 tctatttatt tcttcttggt tttagcttgg tcagttactt aaactctgcg tctcaactgt
60901 aatatgtctg taatagcat taatagcatg ttttccatg agagtataat gagttagtat
60961 atataaagca gtgcacacaa actcctacat atgtgttagg cagcatctca cacatatatt
61021 caaaggatgc atgtgcaaga tagactgtag gtgatgtgca aaactcagcg agttataact
61081 cccatccctt tctctaccag agatgctatc cagattgttt ttaaaaaata tggaaaaata
61141 gtggtgaagc tgtttattca aacagtttag caagtaactc tagataagcc ttctcaaatc
61201 ttacatttcc tctccatctc ccagcaagct ataataactc taactcaagt tataatcagt
61261 attagctcag gtttctgcaa tctgtctcta ggccaaactt gtaactctta aactctgtt
61321 tcaaaagcag ctagagtgtg cacttcaaaa cagttagata tctgacatg taactctatt
61381 ggtaaatacc ctcttaggat agtagagaaa ctccattacc acaatgttgt cttaggtttc
61441 tttctctctc tccaattctc tccactttct ctctccactt tgtctctctt tctccaaata
61501 cattggcctg tatttttatt ttctaataat gctgtcaccc tccatttcaa agagaagagt
61561 ttcttcaaga ccatttatct atattctctc ctgacatctt gatgtggcca ctgcttaggt
61621 aaactctgag ttcttacaca tatgtctatt ccttagagag accctctctg acctactaga
61681 gtaggccagt acccatgttt tcaactgaac ttctacctct ttctcagggc actcaacaca
61741 aattgttaatt acatatcaat tgcataaact tcaaaattatg aataactctc aattatgtta
61801 gattaaagtc tctctctcca atgagaactg aagttacaga aaggctagga aactctcttt
61861 gcttacaatt agactctcag agtttatcaa aatatttaag acacagtagg ttttcaaaa
61921 acatttccaga atgagtggac ccaggggtta gtaatatcat atgtcttgca tctaggtttg
61981 aatgaaataa ttttaacaaa tcccatctga gttagcctaa tcatctcaaa ttcaaggttg
62041 gttaaactcc agtaaaagta tgaacttagc caaagtcacc taaacaaatta ctagtaggtg
62101 cagaagtaga aactcagagt tatttctcaa tgtcatgttg cctccctctg tgacaacagg
62161 ttaagggttg aagcaatcat ctgagtttat tatgttcaga aaagagatag caacttaaga
62221 cttctatctt tagaaaagac tgcctgttaag gctggctctt ggcaggctat tgaadaagtt
62281 gattccatat ggtttccaga tggctctcca atgggaaggg tcccatcatc ctctagataa
62341 gatggctcac tgtggctaaa ctatacaaac aatgcgggtt atgtgaaaca cctgctctcc
62401 ttctgggttg tggaaatttt ggtacagagg ctgctctatgt gacactctc bagaaaagtt
62461 ataggcaatg aatctctaat gagctctcat ggtaggtaaa cacttcaaaa atgtgttaca

FIGURE 1 (continued)

62521 aaccagtttag ttgcttggag aattaagcag atcttgtgtg acttcactgg aaaagaactg
62581 ttagaagctt attcctgggt tccctggacc tcacccatgt gttttttctc attgctgatt
62641 ttgctttgta tcccttcaca ataataagtc atagacatga gtacaacccat atgctgaatc
62701 ctgtaggtcc tccctggtaga tccctgaacc cgcaggtggt cttggggatg tccgacatat
62761 tatcctagct acagtcagaa agtcttatct gaaagaggta ctatggggat agtgctattat
62821 gctgtgttct gtactcagag gcgaagctag agagatataa aaatgactcc aaatggattc
62881 cagaaaaataa gtatttggta cataaagtaa tcataccctg ctcttccact gactgaaagt
62941 catttccttt aatgtgaatt atgacctcag ggctcagtcta gcaaaagccca cttctttcat
63001 gaaggaggaa accataatct aaagagaaaa caagacttat ccaggatcct gcagttaagt
63061 ggtaaccaat ctaagacaac tcgggattca cagttactaa aaaacttggg tttcctaggt
63121 ttcattgcac acaattttgt tgctttgtta agtactgagt caccaaaaac tatgacgaac
63181 tgaaggcacg aagtctaatt ttattttgtg gaattgttga agagaattaa ttttatttgg
63241 cagaactgtt gaaaaaaatt caagacaaaa attcctcaag agtaattcac gtcacaattt
63301 caacaagaaa aaaaaaacct aaaaaggatg tgtcaagaga catccaatga tttcctacca
63361 tttttgtaga aaaagagggg caatgggtatg cttaaagaaa aaagtcactt ccaacctcta
63421 atgctacata gagggcatct tcacacacac tagctttcac atggatgcct gggctccac
63481 agcccactct ggacaatgaa cagacaaaacc acaaattaa agagtgtctg aaaagtggag
63541 ggtagtatgc agaattgactc accatcccag tatgcccagg gctgaggaga ttccagaat
63601 acagggcttt cagttttaaa actggaaaaa tccaggcaa actggaatga gttggtcacc
63661 atagcagtat gtgcagtggg atggagaggg caagtatcgc cagttattta cagaaaggct
63721 gtaagacaaa tggctcctga taggagtcac gaagttaaaa ataaactctt ctagaacct
63781 aaggtccaat actaactaga taccaaatgt agaaggatag atcaagactt ccagagataa
63841 tagatatgtg aaagaccaag gtgcaccgag accatcccca tcccttatag atacttcaaa
63901 ccaaaccatg atatatcttt atcattcttt tcaaataaaa attttataca tgccaacatt
63961 aagaactttt ttttttaggt ttcctgatca tccctttgga tactcatttt tccagtgat
64021 ataccacat gtgtgctttg gtctgttagg taaccaata gtgaatgttt gacaaatttc
64081 aagacagaac tcaaaggaat attatgatca agaatttcta gtagctagta actttcaaaa
64141 tgctatgaaa gcttcaagac atttttttaa acatacagat tatactgcaa aaaaaatcaa
64201 aatttgtata tttatggtca ataaaacttg aataaatatt agacaaagat ttgaatttta
64261 aaataaaaagc ctggctggat ccggtagctc atgcctgtaa tcccagcact ttgggaggcc
64321 aaggtgggag gatcatgagg tcaggagatc gagaccatcc tggctatggt gaaaccgggt
64381 cctactctaa aatacaaaaa aattagccgg gtgtggtggc tggcacctgt agtcccagct
64441 acttgggaag ctgaggcagg agaattggct gacagagcaa gattccgtct ccaaaaaata
64501 gagatcacgc cactgcattc cggcctgggc gacagagcaa gattccgtct ccaaaaaata
64561 aaaaataaaag gctccatttt cctagratga ggtgtaattt ttaatatata atattgtggg
64621 ctactctata accatgttat agcaacaact gatcaagaaa attatgagaa aaccttgaaa
64681 taatacacagt gacattttaa taatattaca ttctcacaat ctcaaaagta tccatatact
64741 ctagaagagtc attaatatct acatattgaac catataattt tcccaatctg tacaaaaaaa
64801 cactctactaa agaactgctt gcaataactc ccttcagtaa atcccacagg cctccatcac
64861 cctctatacct ctctactctc gctgtctaac aattgtccat gannnnnnnn nnnnnnnnnn
64921 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
64981 nnnnnnnnnn nnnnnnnnnn nncaaaaaaa tatgcaaatg ttcacaatag cattattcat
65041 aagagcctaa aagtggaaac aacccaaatg tccatcaact gatatatgga taaataaact
65101 atgggtatatt cgtacaatgg aataatatct agccacagaa agaattgaagt actgaaacat
65161 gctacaatgt gaatgaacgt tgaaaaattc aattaagtga aaggagccca tcaaaaaag
65221 catgttagtat attagtcocat tcatataaaa tcccaagaat agaggaaatc ggaaaaaaga
65281 caaaaaagtag attagtagcg ttgggttaagt tgggttaagg gttggggaat gactgataat
65341 gatacaagat gctctcttca ggaaaaatga aaattttcta aaatttagat tttgttatgg
65401 ttcacaatct ctgtgaatat actaaaaatc attgagttgc atgctttaaa tgggtgaatt
65461 tcatagratat tgaatatatg gaacttatct cctctctcta tgaatttaac atctttgata
65521 gaacbatctt tactgacata ttgtatatat tgaatatatg tcaataaaaa tgatcaaaaa
65581 ttttaattgaa gaaactagta tttctcaagt ggggagagga aaaaacatga ataagaaaca
65641 gaaaagaagt tgttagaaa agttgcaaaa cttagccctaa agaagaataa gaatgagaat
65701 ccatagctga cctaatatct ttgtttgaac aagttattcg aggtcagata tgaactctct
65761 actattttca ggagataaat ttgctttttg taatcccttt tccaaaaatt ggtttctgca
65821 tttatcaata ttgattctct ttggcagcct ggagtgaaga acatggaaaa cagggaaggc
65881 tgtctaatca aatacaaaaa tgtactgcaa gactgaaata gttaaaacac tatgggtttg
65941 ttaaacatgg tgatcaatga aataaataga aagaattggc ctatgcattt atgctattcc

FIGURE 1 (continued)

66001 aactcatgat aaaaaattat aagtaaatcg gccgggcccgcg gtgggtcaca cctgtaatcc
66061 cagcactttg ggagggcgagg cggggcggtac acgagggtcca gcagattgag accatcctgg
66121 ctaacactgt gaaaccccat ctctatttaa aatacgaaaa aaaaaaatgg cccgacgcgg
66181 tgggtcacgc ctgtaatccc agcacttttg gagggcgagg cgggtgcggt tacgagggtca
66241 ggagatcgta gccatcctga ttaacacggt gaaaccccggt ctctactaaa aatacaaaaa
66301 gaaattagcc gggcggtggtg gcgggctgtct gtagtcccag ctactccgga ggctgggacg
66361 ggagaatggc gtgaacccgg gagggcgagc ttgcaatgag ccgagatcgc gccactgcac
66421 tccagcctgg gcgacaaagc aagactccgt ctcaaaaaaa ataaataaat aaaaaataaa
66481 ataaatttaa aaaataaata attagcagag catggtggcg ggtggagcct atagtcccag
66541 ctactccgaa ggccgaggca ggagaatggc gtgaacccggg agggcgagct tgcagtgagc
66601 caagacagag cgagactcca tctcgaaaaa aaaaaagaaa aaaaattata agtaaaattaa
66661 tcaataaagg ataaactatt atataaagag attaggacaa ttgggtcttc attaaagag
66721 aaagtatgtt tgatttctac cttagagaaa caaaaagta attctagctg gcttagtaat
66781 aaaaatgttt ttttaaaaaa acttggttaa tttaaatttg cctatttctg catcactctg
66841 agaagtagct ctgggaagaa ggtaatcaga agatttatga agatttctc ctactccata
66901 ctttttcata ggccctgaaa cacacatttc tagtgaagac ttacatgaat agatcaaggc
66961 ccttggttcc attcaaaaaca attaatccat agaagatttc aaaattttaga agttaagata
67021 cataatatgc tagagtgttt cttacagaa ctaaatattaa tattaatata tactaactc
67081 taattttaat aatactttag acttttccaa aaaaaatagt ctttgcaagg aatgtaactc
67141 tctcctgagc ttttgacata gcgtcaatct acatggcttt tttaaaactt ttatgttagg
67201 ttcaggggta catgaggagg tttgttatgt aggtaaattg catatcatga ggggttagta
67261 taaaaattat ttcacacagc aggtaaataag cttagtaatc aataggggac tttatatgat
67321 ttgggtctgt gtccccaccc aaatctcacc tctaattgta atccccacca gttaaggcag
67381 ggacctggtg gcaggtgatt ggccctggtg gcagttttcc ccatgctgtt ctcatgatag
67441 ttgtagggtg gtggccttat tctggacata ggaatggaca aagattttat gacgaagaca
67501 tcaaaagcaa ttgctacaaa agcaaaaatt gacaaatggg atttaattac agtaagagc
67561 ttcgacacag caaaagaaac tatcatcaga gtgaatagac aaccgacaga atgggagAAC
67621 aatttttgcaa tctattttatc tgacaaagggt ctaatatcca gagtctataa gaaacttaaa
67681 caaattttaca agaaaaaaat cattaaaaag tgggcaaagg acatgaacag acacttccca
67741 aaagacattc atgtggccag caaacacata aagaaaagct caaaatcact gatcattaga
67801 gaaacgcaaa tcaaaaccac aagataccat ctcatgccaa tcagaatggg gattattaaa
67861 aagtcaagaa actgcagata ctggagagggt tgaggataaa aaggaatgct ttgacactgt
67921 tgggagtata aattagttca atcattgtag agacagtggt ggtgattcct caaagatcta
67981 gaggcagaag taccatttga cctagcaatc tcattactgg gtatatacc caaagaaatgt
68041 gaattattct attataaaaa cacattcact gttagcaata tcacaatagc aaagacatga
68101 aatcaacctt aatttccatc aatggtagac tggataaaga aaatgtggta catatacact
68161 atagaatgct attcagccat aaaaaagaat aagatcaact cctgtgagc aacatggagt
68221 gagctggagg ccattttagca aactatcgca ctaacaaaaa accaaatcac gttatgtctt
68281 acttaatagt gggaagttaa tgatgagaa acatggacat aaagagggga acaacagata
68341 ctgaggtcta tcagatgggt gaggttggga ggagagagag gatcaggaaa aataactaat
68401 gggtaactagg cttaatattt aggtgatgaa ataatctgta caataaaacc catgacaca
68461 cgttttaccac tataacatac ctgcacgtgc atccctgaac ttaaaataaa agttaaataa
68521 atttcaaaaag ttctgttttt atcgatatat aattcatata ccataaaaat cactatttta
68581 aactgtacaa atctgtgaat ttcagtatat ttacaatatt gtgcaaccat caccacacat
68641 aatttttaaaa tgtttccacc agccagtaaa ggaacttca accagtcagt agtcaattaa
68701 ttatctctct accctgcccc cttagcatgta acaaccacta atcaaatctc tgtctctaca
68761 gatttgtcta ttctggacat tccatatgaa tggaaataaa cattatgtga tttttgtgt
68821 ctgggttttt tcaagtagtg taatacttcc aggttcaacc atgttttagc atgtgtgt
68881 atttccattc ttattctgga tcaacaactat tttattccat tgtaatgaat acacattctg
68941 ttcatctcatt tctcagttta tggactttct agttattttt actcttgggc tgtcatggt
69001 acattttacta tgacaattgc atagaagttc ttgtttgaat ttatgttttc aattctttgt
69061 atatatgccc aagtgggatt ttctgtgggt acatggtaaa tccatgttta acattctgag
69121 gagctggcaa actgtttttc aaagcagctg caccatttta tgtttccact agcaatatat
69181 gaggattcca atttctccac atccctcata gcacttttta ttttctcttt ttttttaaat
69241 agatattagt ggggtgaaag tgttataaca tgggtttgggt ttacattttc ctaattgatta
69301 gtggcaactga ccatcataat atgacattaa cgtattttta atattcttat gttctgtaat
69361 gatattactt ttttcatatg tcaaatagat accctgtgtt tttttccac tttgcatra
69421 tgagtcttgc tagagtgtta tcaactttta aatcttttca aagaacacac ttttagcttc

FIGURE 1 (continued)

```

69481 ctcaatttttc agctacgtat attatacata tttgctttta ctttcattat ttactgcatt
69541 atcttattttc ctttagttca gtttactgat tttatagctt cttgaaatgt aaacctaggc
69601 cattttatttt taaattttcc tatatttctaa tacaggcatc atagctataa ttttccccc
69661 aagcactgat tcaactacat cttctgcccc aactgatata ttgtatttagc attcagtc
69721 aaatatatttt tattttccatt ttgatttttg ttttgaccca tgggttatct ggaagtac
69781 tgcttaatat aaatgttttag ctattatcta gtatttttct gttgtttatt tctagtac
69841 tttcactgta gtcagaaaaac atactgtata tgattttaat atttgagac ttattaagac
69901 ttaaagttcc aagtataaat aggtctgcaa aagatctaga aagagtgaca cttttccatt
69961 tcaaggggtg gacttttcta tttttgttgt tgttgttgtt gttgttgttc ttcactgctt
70021 ttgtagcagg acaagcctca gacaaaactc ctcagacacc gagttaaaga aggaagggtc
70081 ttattcggcc gggagcttcg gcaagactca catctccaac aactgagctc cccgagtga
70141 caattcttgt cctttttaag ggtcacaaac tctaaggggg tctgctgag agggttgtga
70201 tcgattgtgc aagcaggtgg tacatgactg ggggctgcat tcaccggtaa ttgaaacaga
70261 actgaacagg acagggattt tcacagtgtc tttctataca atgtctgtaa tctatagata
70321 acataaccaa ttaggtcagg ggtcaatctt taactaccag gccagggtg tggcaccagg
70381 ctgtctgctt gtggatttca tttctgcctt ttagttttta ctccttcttt ctttggaggc
70441 agaaattggg cataagacaa tatgaggggt ggactcctcc cttactttta tatatatatt
70501 ttaatgaaaa atattgctta aaagtataac cttaaaagaa actgttcatg aactctatgt
70561 atgaatttgt atattacat tatataacag gcaggttatg ctcattcagc aatgtgataa gcaatttga
70621 aagttattga aaagatgaat gcaggttatg ctcattcagc aatgtgataa gcaatttga
70681 cttttggaaa gtaagtggaa atttttccaa catgatgtag cactgcttca gattctgtct
70741 ctgagcttct tagagttaaa cactgacagt gaattggaat acggatttct tattgtactt
70801 tgaaattcca ttattttaaa attccatttt taaatggaat tttagccatt taaattccat
70861 tatagccatc tcttcaactca cagaatgcat cttcaggccc tctgacttgt ccgtcttgtc
70921 agcagttatt ctacttggtg ataacacacc acaacttcaa ataacacaga gcaataaagg
70981 ggtacaagta aaagacaaag tcatccacac tcaactggtt ttatgtctct gaacaagtta
71041 accaactcct taaccttcag attcctcatt tggatgacaa aaattttcat tgcagaagaca
71101 tcaagtcttc aaaggaatac cttaagtaaa gtatgaaata gattgtcttt cacttgagta
71161 gtacttacaa aacctaaatt attttctttc tatccattct gatattgttt tatgtttaa
71221 tgagttttatt tgtagctaaa gtgtacccaa atggggcaag caatatttag aactaatttg
71281 cacattccag atttaggttag gtccctgtgc aataacaaat gacacaaaaa tctcaaaggc
71341 ttgagataat aaaggttatt tttctctctc actacatggt cagcacagat tggcaagggt
71401 gattttgtct aatgtatttg ctcaaatcta agctgatgga tatatgcttc taaatttata
71461 ctggccatag aaaagaaatg tgggaaatca tacgggggtt ttaaatttct tctcggaaat
71521 gacacacatc acttgccctt acatttttatt gctaaagtaa gtcacatggc cacatctaat
71581 atcaaagggt agagacagag aagtgcactt ctataatgtg tccaaaggag aaggagatta
71641 taggagata aaatgtcata atcacttttg aaagctgtt gacaattgca taaaaagttg
71701 aatacacatc taccctttga cactgtcgtt acgttccaag agaattgaaa atatatatcc
71761 acaaaagtgc tgttaaagaa tgttcaacta gatttattca taatggccaa aatcagccca
71821 catatccatc aacaggaaaa tagataaaca tgctaccata tatttataag atgaaaaata
71881 ctacacaata aaaggaaaca actactttta tatccaacaa tgtggaggac tatcaaaata
71941 ttttgctgga tgaaagaaat catgaaacaa acattctgta taatccattt atatgcaggt
72001 ttagaatggg caaaactaac acttacacta atacaaatag ttctagcatc aagggtggta
72061 taaattggcc aggaaggagc ttgattgata aaattcctct gtgtcttgag tgaatgtata
72121 tatatgtata tatttgcata aacttaactga accattcagt caatatttga gcattttact
72181 ctatagcagt atcttgatct tttaaatgaa aaataaactg gaggacattt cagtcataa
72241 atttttatag cactgtattt gactaacact attcattaac catttcagta cattcaggtt
72301 ctttttaaac ttttaagagg aatttttaatt ttttaaaaaa tttttgtgtg tacatgtgtt
72361 atatatattt agaattgtca aaatgtgcta aaaaaggaaat agatctagtc atttgcaaca
72421 atattggatg aactggagat catttatgta agtgaaatga gccaggcaca ggaagttaaa
72481 catctgcata cattoatatt ttttaaggtaa tgttttactt tactcaagaa gcatttgaac
72541 acaagtatac tgaacaaaac tgaatattat caaaaatata aatgttactt tgatgccatt
72601 caaagacagt cacattttta tatgccatgt cttaaagtca atgagtttta agactttgga
72661 taagtttggg gaaattttta aaataagaaa atttatattga aaaaagagca gtgaatcacc
72721 tagatcttga catctgggtg gcattttccat cctgaatttc accagttaca tagctattta
72781 actatttacc agtatcaact aagacaaaagc ttgagcttga gaggacaggt ctggttctct
72841 atttggtata accatctaac taactgttga acaaaaatata aaattacatt cagccgtttt
72901 ctcaatttgt aaaaataaat aaagcatctt agaattagtgc ctggcacatg atatgaaggt

```

FIGURE 1 (continued)

72961 aataaatgtc agtttcatte ttgcacatgg agaacgggtga ataaatgtgt tttattcctc
73021 ctccttcttc tectcccttt cttcttcttc cctctattcc ttatctcttc tatctccctc
73081 ccttccctat cctcactcta cctctcttcc tgtctctct gtctcctct tctcctctc
73141 ctctctctcc tctctccct cctctcttct acctctgttc cttcactct cttcttctct
73201 ccccgctcc ttatatttct tttccctctc cctctcctc tectcatcta ttttctccat
73261 ctctctctct ctcttcttc cctctcctcc tttctcttct ctctctctct cttcaccctc
73321 tctctctcgc tctccttca cttctcttct cctccctcac cctctctctc tttgtctct
73381 cctctctctc tccatcttct ctttctctc tctctctcc tctctctgct cttccctctc
73441 tgttcttctc cctcttctct tgttctcttc tgtcttctc ttgttctgct tctgggtccc
73501 tcttctctta ttttctggt cctttttaa tacataccca tgacaagtag tagggagcct
73561 tttcataaag actttgcaga ctgtcttctc tgattgtctt taaatctggt acctatggtg
73621 tttagtatta aaaatagcaa aaaaaagtaa aaataatgaa aaatatatt ctgttacata
73681 aatcaattct aaataaatt taatcattta aattttaaacc cagaaggctt attcagatag
73741 agtttgaata ttttctataa atatgcaaga atctcagata ttaacttctt gactgaggaa
73801 gaaacaagaa tctctggaca gctgcaaca ctacctggg gaaaatctat cagctccgac
73861 atattgaatc taatctgaca tacgcacttg ctttcttct catagcaaat gagaaagtca
73921 ggttcttgag taaatttcca ttacaactat cttctatttt cagtattctt tcaggctggt
73981 tcatctgaag aaaattacaa ctgggactta agccattcta tgtatttttt catgcactc
74041 cgtttgggat ttttctgatg ttggctcatg aggagagcaa ggttagacat ctaggggagc
74101 aatttcacaa aaagatactg agagacagga ctgctggat tctctaggcc gactaagaat
74161 cctaagcct agctgggaag gtgaccgcat ccacctttaa acacggggct tgcaacttag
74221 ctcacacca accaatcaga gagctcacta aaatgttaat taggcaaaaa caggaggtaa
74281 agaaatagcc aatcatctat tgctgagag cacagcagga gggacaagga ttgggatata
74341 aaccagga ttcgagccgg caatggcaac ccttctggg tccctctccc ttgtatggga
74401 gctctgtttt cactctatta aatcttgcaa ctgcactct ctggctcctg tttgttacgg
74461 ctggagctga gcttctgctc gccctccacc actgctgttt tgccggcgtg gcagactcgc
74521 cactgacttc cattcttccg catccggcag ggtgtccct gtgctcctga tctagcaagg
74581 caccactgc cattccggat cgggctaaat taggctcgc attgttctct catggctaag
74641 tgctggggt cgtcctaata gagctgaaca ctacctact ggttccacgg ttctcttccg
74701 tgaccacgg cttctaatag agctataaca ctaccccat ggccaagat tccattcctt
74761 ggaatccgtg aggccaagaa cccaggtca gagaacacga ggcttgtcac catcttgga
74821 gcagtcacc gccatcttg aagctgtgtg agaaaggacc cccgtaatg atgctatgtt
74881 ctcataatc tattaagaca cccatgactt tgaattttcc cattattgga tttcttaact
74941 ttgatcattt gattcaagag ggtacctgcc aggaagtttt actcagtggg tgttcttttg
75001 tccattatca ataagtattt tgtgaggaaa tacttagaga cgtgtaata tttgttctt
75061 ctttaaatct gcaccactt ttagcatccc ctgatatttc ttggctgaat ttattattgt
75121 tacaattgct atccaattgt gattttctct cttctattat tcttccacat ttgttgacat
75181 tatatgaagg aacactatct cttcttttgt tcttcttcta tgcagtata gacagatgga
75241 ttttttatt tcatgtatta aaatttatta ttatgaatcg ttcatagaat tgcctcaaat
75301 ttggctcagt ggaatctctt caagctggct tttgtgtct ttgacattg agaggaggtg
75361 ccagtgggct tctgggtct agtaggggct cagaaagctg tgaaactcac tcatctctg
75421 catcaggact taactttggt cctgaatgag taatattgaa gataagtgt taaaatattc
75481 ctaacatcag aatttgtgca tgtgtttct tccgcaagaa agctataaac agggaaaatt
75541 ttgctgcaag cttccctgtg tctctctctc ctctctctct tccccctct cttgaaactaa
75601 aaggactgct aaaagcccat tttctgtgta ccagcagacc gtatctacgc tcccaattcc
75661 aattcttctg aaacacaatt tgtaaaaatc tgtgagatcc tgtctctctt gccatgcgcg
75721 tgaagggtca taaagtagat aaaacttgag ttacaattcc ggtttctctc aagatctgag
75781 aggtgttaat tgtcttctg tctctctctg gtacatctt cctacgcgac gtattctctg
75841 ctttaataaa aagggtgata aaaaactcaa cactgggtac ctgctcagga cctctctac
75901 tctgtggaag cttgtgactg tcaactcgtt caataaagcc tacagctgtt tttctctctg
75961 tccgactctg gtctctctct caccgggggc tgccgcccaca ccaaactctt ggctgtgcta
76021 aggcgagaac ctttggcatt acaacatgac cctatcattc tttgatatt ccatacttct
76081 tgaatgaaaa taatggtcca agctgtcttc cttctctcag tctgtgaagc agccatttat
76141 tctctcaagg agccctagtt cctttaaaga agaattgttg agagaaacca gcatctgcat
76201 gttaggcatg ctcatattta tttaaagaat gttattctca gacagtgtg gggaatatgt
76261 attgtaaatg tacacacatt ttttaaccaca tttccacatt gaaaactgct agtttagata
76321 caactcaaat ccaataccac aggttttttt gtttctgtt tttttttttt tttttttttt
76381 ttgagatggag tttgtctctt ctgccaaggc ttgagtgag ttgtgcaat tctgtctact

FIGURE 1 (continued)

```

76441 gcaaactccg cctcctggat tcaagcaatt cttctgcctc agtctcccga gtagctggaa
76501 ttacaggcgc ccaccactat gccgggctaa tttttgtaat ttttagtagag acagggtttc
76561 atcatgtttg ccatgatgaa agtcctgacg tcagggtgatc tgccggcctt ggccccccaa
76621 agtgctggga ttacaggcgt gagccaccac gcttggcctc aagtttcata taatactttc
76681 cctttccata gttgtaagtt ccaccactga gagtgagaat tacagctgac attatcctaa
76741 attaatTTTT tgtttcaatc ctcccaaatg ctatgaatct accattgtca ccactgtccc
76801 tcttcccaaa tgtccctctt ctgacatgcc gaaccattgc aaacaccact gccctcctct
76861 cttagtgtct ttctaccctt gctctgtctc cagctccctg caccaggctg aggccaccag
76921 caccacaggt gcaccctcct cacactgctc cacaccctgc tctgataatt ataactctct
76981 cattcaaaaa taaaaaaaag ccaagggatt gcaaatcact tatattagct caggctcctc
77041 aagaagcagg tgttgagagt ggataaaata tatatataag gattttattc aaggaaacat
77101 ccatgtgaga caaaataggg aagggaccag acaagcctgg gagaactgtc caagtacaaa
77161 caagtctaac tccaagtggg aaaaagaaga tgagagaggt tgtgtggaag gaaagtttgg
77221 gaaagagttc aggggtcctc aagccaaaac aggctaccag aagtgtctta tgactccac
77281 aaatctttct acttcagtat ccctcctgc catgctcagt cattggatga acagctcgtg
77341 ggaagcatgg ggtgactgca aaagagtacg aagcagccga ggctcttag caattacact
77401 cctgttagtt ggaggagcgt catctacatt cctgtggctg tccaaaacta atattatttt
77461 tccctgatta caggtgttta gtatcataac tcagaataaa gtcagcacca cattaaaaata
77521 aaccttctta tgtaaataac acttaagagt ataacaataa agaaatgact tgccaaaacca
77581 ctggcccttt attttttatc acaactcaga aacaaagaca gcaccatatt aagttaaacc
77641 cttttcccat aaagaagatt tttattttatc aaattgctag actgccagtc tgggtttaca
77701 agatgctgct gaacatggta aatgagcata gataattttt tttttttagc aagtgtatct
77761 cttattttgt gcccatagct tttgagaaaa ttgatttttt atttagcatg tttatgtttc
77821 tttatgatgt atccaaacttt ctcaaataaa caggtatacc aaacaggcag attgttcaca
77881 ttttgggaaa tgctagataa aagtgtggaa gtcatggcaa tagagagcta ttttacatta
77941 cagagcttta ttgagttagt gtagacctaa ctctgcctt tagagctaca attgagcatt
78001 ttatactctc ctggatatta cctttgaatt taatcctaac atttttagct caatttgggt
78061 ggaggacata tgtttaagct tcataaaactc agcttaaatg tggcgtaatg tgaaaaagcc
78121 ctgtgggtccc taaatatgca aaaatgttgt acagtgaata tagcaagaaa ttttagatgt
78181 agatataaaa ctagacacct tcagcaaaaca gataaatata tgacaaaata agacacttgt
78241 aatgggtttt tgaggaagtt ttgaaatcta attttcacia atatctctga aatttaggtt
78301 agatctaaag aagtgggaga aatacacagg aggaaaagaat tagagaagaa acaaaacatg
78361 attcaagcag tattagtacg ataaaggagt tcaactgttt taaaaacatt tatggtttac
78421 agttatttaa catttgacac caattgtcaa atgcctacta tgtggcagac actgtcttta
78481 cagcgctgtg tcagaatggc aacctctagt cacatgtatc tatgaaatag ttgaaatag
78541 actggttcac acgaggatgt acttgaagtg taaaatacac acccaatttc aaagacatag
78601 aatgaaaaaa tcataactaat aatttacact gattatatgt taaaatgata atattttggg
78661 cataattggg ttaaaataaaa tatataatga atactaattt aacctacttc tttgtgcttc
78721 cctaattgtg atactagata atttgaaata acataaaata aaatttcatt atattttcac
78781 tgggaaaaaat tgtgacaaga actaatgcag tagatatcca tgatttttgt taaatcacct
78841 tatcttttca tcttccttgg tacctgttag gatagcacag cctcactcac ttggaagtga
78901 aacgtggcca ccaggaggag aagtgtcact tccctataaa agggctttta aagccaatgt
78961 gctatttagt cctagctgct gttaccacag gaacagatgt tgcaaagagg cctccatctt
79021 cctggctgcc aaatgactaa gatttagagc tttccacctg gatttatggg atgtagtttg
79081 aggcagatat aaatttgaat gaaagtctct ccaaaaatgt ccaaaaagaa ataatcagcc
79141 acatacaagc aaaaagtaat tattttaaaa taattgtata ccttgtggca agatcattgt
79201 ctccacacac atgtctccaa ttctctttga agaaatgact gattctaggg ctgttgaggt
79261 atgcagatca tctttagtta tcagaaaagta agaaaacgtg cagaaaacaa aacaaatgtt
79321 atatgtcaaa aagaacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
79381 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
79441 ggtttttata ctttagatttg aaaatactga gattctgagt tataagaaat aagactaaaa
79501 tcagtaaaaa gtaaacatat gaaatttatgt ttgttactct tagcccttca gtttggactta
79561 tcccttcage tttgagttag cctgcatctc atcaaatctg atttctacct agaaaagtta
79621 gtttcagctt atgctctctg gaaccaattg gatgatgaaa atggctccac tcaaaggcat
79681 taattagtat aaacacatat agagtgttga ggccatgaat ggaaattatg ttacaggctt
79741 atattcttat atccctttga atccacagcc gttatccact tgatgttagc ccaagggttg
79801 agaagtaatt ccacagccat cctcatgtac caaattcaaa ttcaaatcta ataaccttgg
79861 aaagtgtgac caccatcttt ccttcttcat caattatctt tcttctcttg actatcttct

```

FIGURE 1 (continued)

79921 tttctcaaat gttggtcttt tttcatattt ctccatgtcc tggaaagaaa tctgaagacg
79981 ggaggtactc aaggaaatag ggtgccaaata gctgagtggg atgggatggg atgtgaaacc
80041 tacccttacc tctaatgtat ttgcagggcc agttcattga tggcattaac tccgctgtgt
80101 actcacacag ctgcagagtc attggaatga tacgtaggct ctattgctgc acatattcaa
80161 ttagaatcct ttattaatgg accaagaatg gacaagaaaa tggggaaatt actgtgcaaa
80221 ttttttaate caccctgtcc tccctccctt tccctttcct gattagtctc agaaatgttt
80281 tcattcttta catttccctt ctctttaaaa tcaatatccc ttactttgtg tttgattcta
80341 catttatatt cctttacaat atcatgcata aatacacaca cacactttta agttgcaact
80401 aatacttttt ccagtgaag gcttctttgt ttactatat actaacctct gcataaaatt
80461 tctttaaaaa tgttgtttga tgcagagttc tagatgtcat aagattatta aatatatata
80521 ctttctaagg tgagcattca gtgttggaact aaaatttaca aaaatcatat aagtgtact
80581 tgcttctagg taagagtttt taaattaaaa tcacctgtgc aaatagagct ctctgcagat
80641 atgtttaaca tgtccattta gaaaattaca tgggatttca attatcatta tcattataaa
80701 gttccaaatg aaaagttaga tcttttttaa agcaagtaac tagaaagaaa acaaaaactg
80761 ctgaccattt atctaacatc cactctttct gataagggtg aagtggttca tcagaagttc
80821 agaccaagc cattcttctt ggttgtaaat aagcagaata tattccctat agatattact
80881 cagacctaaa ctatggtcta aagattgtat gtcagtgtt tctgcatttg actttacagt
80941 taccgcctcc tttgccatac ataaatgttt cagtcatcaa ttattttcca aatgtgtcac
81001 atattttatg tattggattg tatatgatgg aacatacaga gaattgtgag atataatttc
81061 catccttcat gagattataa agcattttat acactactat ctattttcaa aaacaaaaac
81121 ttcgcatcac aaatgttaag gcatgcaggt agattttaat agtaaatctt ataatgatgt
81181 ttatcattgg tgcctttaac aattcccatc cactacatc caccagaag caccacatta
81241 aacaaaagat actgagtaaa tattcaacat tgtgcatcag ctatcctagt ttttgatgca
81301 ctccactttt aacctaaaa ggttaatgag aagcaagtct gctggagtgt gcttggttct
81361 gtctctttag gaagttttgt gagctcaaac ccattattat tattattatt attattaata
81421 tttttttttt tttttttttt tttttttttt tgagacggag tctcgtctctg tccccaygc
81481 tggagtgcag tgggtgatct ctgctcactg caagctccgc ctctggggtt cagcccatgt
81541 tctgtcctca gctcccgag tagctgggac tacaggcgcc caccaccaca cccggctaag
81601 tttttgtatt tttagttag acggggtttc attgtgttag ccaggatggt ctcgatctcc
81661 tgacctcatg atccaccgc ctcagcctcc caaagtgtct ggattacagg catgagccac
81721 tatgccccac cagacattat ttaaacttaa actcactctg aagcacattt tgtcatatag
81781 aaaattatgt taacaataga atttatgcta ttgttgtgaa gtttttaata aaccaataac
81841 aatatttaga ttatagtgtt tggcatatag taagcatcta gtaaacatta gctattattg
81901 tttactgacc agtcgttaac tggttcttta gactcaggaa caacctgag atgagatata
81961 tcatgtctct atggccagaa tgtgccttag caatgtgctt tagcacagca acaaaacaaa
82021 atttctcact atgttctagt aaatggagat atataagttc agaggaaagga aaaaactact
82081 tttcaatcta ggaaattctg atgtcttcac aacactacag aatttggctac tttcccaatt
82141 aaacacataa ttatatctaa atttatattt taataacttg tttcaattatt caaaatagaa
82201 tttcttcaga tacagggttaa aatgacagtg tgctataatt gttcatgatt ccttttatag
82261 aaacaattct gacatatgaa ccactttgat atcttacaat ttgggtgaaa tttagttttt
82321 tttgttctct aatgttaata actcgtttta agactgggca tgggtggctca tggctataat
82381 tccagcactt tgggagggcg aggcaggtgg atcacgaggt caggagttct agaccajct
82441 gaccaacatg gtgaaaccct gtctctacta aaaatacaaa aatttagccag gttatgggtg
82501 gtgtgctctg aatcccagct actcaagagg ctgaggcagg agaattctctt gaacctggga
82561 agcagaggtt gcaatgagct tagattgtgc catttgaact cajctgggtt aaaaaataa
82621 ataaataaaa aagtaacctg cttaaacat aacatttagt taactcttta agagatttt
82681 gatggcaatt gggttaaga gcttcatgat ggcatttggg taagggtgaa ttttaatttt
82741 gatcaaaaaga gaggtgtcac agaagatgag aaatttgaac ttttaggaatt ttttttttt
82801 taagcagagg tatcatcagc aaatcatgca taaaaatatc agagtactag ttttttttt
82861 aataatttaa gttcatcaca catccaacat aaagaaaaagc tgcacagaca agaatgtagt
82921 tttctcaaaa gagacagcag tgggttgggt tcaagtgaac agataaattt acatcagttt
82981 acaaaataaa tatcagtatg acaaacatga agccagtcag tatgtgacat gggatattat
83041 taaataaactg tcatcttcta acatattttag ttaatttgtt tcaattcatt aatttttaaa
83101 ttaattcagt ctatcagttt ttttgaaaaa aaaattctgga aggtattttt caaagctcaa
83161 catttgcctt ctatggatta aaagccatca tatgggtatt ccaatgttta caaaagacat
83221 agggaaaatta taactctgtg gcataggttt taaaagatgt aactagcttt cagaattctg
83281 aatagcaact acaactgtct ccagtattct taatatgacc anatacattt tgaattctct
83341 atttatataga taagtctgtg tctgaagaca gtccacaacy ttagactaac ctttgggttt

FIGURE 1 (continued)

83401 gtgaggcaca atcattacag aaaaatgagc aacatcatga tgtgtctgta gttatttcat
83461 cgagtcctggc cgatacttaa cttttcaagg tacttacttg gcatttgtga ttatctaaagt
83521 taaaaatttta caaagcctgg tagatatctg ggagttatgt tgagttttaa aataaaggaa
83581 attttccatt cattaagaga agaataaaag tgtttctcag ttttatgggc gaggctgcca
83641 gatagaaata agccccaat tctgcaagga atccagctgg agccccggaa agagcttgtg
83701 ttaagtgtata gccaaagcag tggacagagt aggaataact ggtgagctctg aagattctac
83761 ttgtccagct agattaagca gaaagaaaaat ggaaaggagt tgggaaatta attttttaag
83821 ctattttgaga atttctactgt acttttttgaa atgaccatat taagaaaatg tgttttggca
83881 aacgtggtga aaaataagta atccaatagc agtcattttc atacaatgtg tataaaaaga
83941 atatccctta atcattataa aataaattgc aattaaagtct ggggttaagt gttttaacct
84001 ctctgagctc cagtttctct atctgaaaaa cagtattatt attactattt tgcaagtttg
84061 agcatatgga tgagaactaa cacaggcaaa gtccctcact tagcatatct tgaaagagag
84121 tgggtggctct acaaaggggt gatgactgaa aaacaaggca taattttcag ttttagatttt
84181 agagtctgac atgccctttc acatacatta cttaatttca tttttaaaaa tatagtacca
84241 ttattgggggt tcttcttcat atggcatccc tggagtcac aaagtaaaaa tgaaagaaat
84301 caatctagct tggaaaatct taaggaaact aataattgta ggaaacaaat taacatctc
84361 gagaccaact tccaagagca gaagctttca ccaagatttt ctgataaaaa tccacatcca
84421 caactgaaga taatttctact tgtctccac tttagctcct tctactcacc attttagaaa
84481 tctgcactta aaaatggttg agatagacat ttataagaga agctggagaa gtgattctaa
84541 gaacttcatt acaggtcaaa gtgtttgttc ttagggatgt tttccagaaa tcttaatctt
84601 tctcctgtgg attcttagta tgcttgata tgcaactcca gactttcttt gggcttacca
84661 ggtttcaatc accttgacct caaatatata gtttatgtca tatctatcct ctccaagata
84721 cagcacgttt aggccattcc aacaccagct tcaagtgaag atggggaaaag tacttcaatt
84781 atttaattat gttccaatca cagaaaggag acaagcaagt cttctggggc agaagtgaat
84841 gcagcatgtt acctgcagca tttaccatag ataaattaaa aatggttatg gtagatttaa
84901 ctttcttaat ggacactatc caagaaaata gaatgtaagc caaactatga ggtggtttga
84961 tataatgaaa gttgatttaa tgaatcataa ggcaccgttc taagtccttc acatgaatta
85021 acacatttat ttttgttttg ttttgttttg ttcaactgtt aagttccagg gtacatgtgt
85081 aagatgtgca ggtttgttac ataagcaaat gtgtgccatg gtggtttgct gcacagatca
85141 acccatcacc taagtattaa ggcacgcatc cattagctat tcttctgtat gctctccctt
85201 cccagggccc ctgacaggca ccagtgtgtg ttgctcccgat caatgtgtcc atgtctcttc
85261 atcattcagc ttccactaat aactggaac atgctgtgtt tgggtttctg ctctgtcatt
85321 tgtttactga ggataatggc ttccagctca atccacgtcc ctgcaaagga cataatcttg
85381 tttttgtttt ttttgttttt atggctgcat aatattcatg gtataaatgt accacatttt
85441 ctttatccaa tctatcatca atggccattt gagttgattc catgtctctg ctattgtgaa
85501 tagtgcttca gtgaacatac atgtacatgt atcttcataa tggaaatgatt catattccct
85561 tgggtatata cccagtaatg agactgctgg gtcaaagat aattctgccc ctagggtctt
85621 tgggaatcgc cacactgtct tccacaatgg gtgaactagt ttacacttcc aacatggctt
85681 ttttgacttt ttaacaatca ccattatgac tgatgggtatc tcatgtgttg tttgattg
85741 atttatctaa tgatcagtgga ttttgagctt tttttcatal gtttatggcc acatgaatgt
85801 ctttttttga gaagtgtctg ttcattgccc ttacccactt ttttaatggg ttgattgttt
85861 tttttctgta aatttcttta agtcccttgt agactctgga tattaaatct ttgtcagatg
85921 gatagattgc aaaagtcttc ccccatctct taggttgtct gttcacccct atgacagttt
85981 cttttgctgt gcagaagccc tttagttatt agactctgtt tgtcaatttt tgcctatatt
86041 gggattattt ttgggttttt cttcatgaaa tttttgctg tgcctatgtt ttgaattgtt
86101 ttgcttagat tttctcttag ggtttttaca gttttgggt ttacatttaa gttttgata
86161 attttgagtt ctttttctga taagggtgtaa gaaggggtca attttcagtt ttttgata
86221 gactagctag tttttccagg accattctat aaataggaga ttttttccat attgtttgtt
86281 ttgttcagggt ttgttggaaga acagatgggt gcaggtgtgtc agtctcattt ttgatttt
86341 tttttctgta cttgggtcca ttgtgtgtgt ttggtaccat taccatgtgt tttttgtt
86401 tttagctttg tagtatagtt ggaagttagg tagcacagat cttccagctt tttttttt
86461 gtttcagatt attttgacta ttcaggtctc cttttggttc catatcaatt ttaaaatagt
86521 tttttctaat tttatggaga atctccatgg tagtttatta ggaataacat tgaatttata
86581 aattatcttg gacaatatgg ccattttctc gatattgatt ctaaccatga ttttggaata
86641 tttttccatt ttattgagtc ctttttaatt ttggggggcag ttgtttgtag tttttctg
86701 agatgtctct cactttccac ataattctga ttcctaggaa tttttattta tttgtagcta
86761 ttgttagtaa ggttttatto atgattttggc tttctgcttg cttattgtgt gttatatgta
86821 ttgttagtga tttttgcaca ttgatttttg cttcttcaga cttgtgtgaa gttttttt

FIGURE 1 (continued)

```

86881 agcttaagaa gctttggtgc tgagaagatg gggttttcta gatataagat catgccatct
86941 gcaaatacag ataatttgac ttctctctct cctatttgaa tacgctttct ttctttctct
87001 tccctgattg ctctggccag aacttccaat attatgttga ataagagtgg tgagagagga
87061 catctttgtc ttctgcccag tttcaagggg aatgcttcca gattttcccc attcagtatg
87121 atattggctg tgggtctgtc atatatggcc ctattatttt taaggatatgt tccttcaata
87181 cctagtttat tgagagtttt taacacgaag gaatgttgag ttttattgaa tgccttttct
87241 gtgtatactg agatgatcat gtattttttg tcttttagctc tgtaaatgtg atgaatttca
87301 tttattgatt tgtgtgtgct gagctaacct tgcaccccg gatgaagcca acttgaccat
87361 agtgaataag ctttttgatg tgctgctgga cttgggttgc cagtatttta ttgaagattt
87421 ttgcatcaat attcatcagg gatattggcc tgaagtttct tttctttgtt gttgtatctc
87481 tgccgggtatc aggatgatgc tggcctcata gaatgagtta aggaggaatc cctccttttt
87541 attgttttgg aatagtttta gtggaaatgg tactacctct tcttccctacc tctggtagat
87601 ttgagctgta aatttgtatg gtcttgagct ttttttgggt ggtagcctat ttactactgc
87661 ctcaatttca gaactcatta ttggtctatt cagggattca atttcttctt ggttcaacct
87721 tgggaggggtg tatgtgtcca ggaattttatc gatttcttctc agatttttcta gtttttgggc
87781 atagagttgt ttatagtatt ctctgatggg tgtatttctc tgggtgtcagt agtgatgtcc
87841 cccttatcat ttctgattat gtctatttga tttctctctc tttcttctct tgtctagcta
87901 gttgtctctt ttattaattt ttttccataa aacagccctt agagtcattc atcttttgaa
87961 cagtttttta tatctctctc tcttctcagt ccactctaatt ctgggttatt tcttgtcttc
88021 tactagcctt gtgggttgggt tgctcttgggt tctctagttc ttttagttga gatgttatgt
88081 tgttgatttg agatctttct agcttttgat gtgagcattt aatgctgtaa atttctctct
88141 taacactgct ttagctgtgt cccagagatt ctggcacatt gtctctttgt ctcttagttt
88201 caaagaactt ccttatttct gccttaattt cattattttac ctagaattca ttcaagcaca
88261 ggttggtttt atgtagttgt gtgggttttga gtgagtttct taatcttgag ttctaatttg
88321 tgttggtctg cattttgcat ttgctgagga gtattttgct acaaattatg tgaccaattt
88381 tagagtaagt gccatgtact gatgagaaga atctttatta attttatgtc tcaataatct
88441 tttatccaga cctgagttca gatcctgaat cgaaatcagt acatttaatc gttacagcaa accctatgaaa
88501 atcttatatt gtcagtgggg gtattatccg tattttacaa gttagaaagc tgaaaccac agaggacagg
88561 tataaatgta aagattacac atttcataag agactgaacc atattaaaac caaaaatgat
88621 cccaatatct aaatcaaatg catctggctc tagaacctag gcccttacta ctcatgata
88681 gtgcctttcc aaattttaaa aaatatgcaa gcattttttt tctcttgaca caccacaaat
88741 ttatgtctac tttgactggg ttgggagacc tagtaagggt tggttaaattc atctctctat
88801 ataaggtaaa gctataagtc aatataatta gatttgtaac ttatcaagaa atgagccaat
88861 gaaaaataac aacttctgct tccggggagag aggtctgtga aaacggtttt gttttttatt
88921 tgttttgtct gatgggtaga atctgcatga gagcaaaatg gaagccctga tcttgatcgc
88981 aaaccagaat tgctgtagac agccttacat cattccagat taaatgctgc ctgggagacc
89041 acatctactt tgttatccct ttgatatatg aaaacgtatc cctttcccac tgagccatgg
89101 cactggggag acactatcag cactacaga aatcaaacat tgttccaaca aaaagaatgt
89161 cccaccccta aaattaaact ctgtaaacat caaagtagaa acaataagat cagtattcat
89221 cgtgctttct tattcataac acccaaatag gcttcttttc ctttgagaaa atagacttc
89281 tttccctaatt gcataagtc tatgcattaa aataaagagc aacatagaaa atagtaattt
89341 acctgacaag gggaaatggg tgatttttac aatacttcaa agaatcactc ttcaaaaaaa
89401 aagggaatgct agtgcgttag agaatgtgag cataaatgca attaaacaaa ctaggagctc
89461 ccataagatt atcagcccta aacactaaga aaatcttttc atcatagtct ccaagatttc
89521 tcccataggt atatttgaaa aatgttaaca gaaaacttct taccttcaac aacacttttt
89581 gtaacttcaa tttcacttaa atctataatg ttgcagagag catgttttgg ttaaaacaaa
89641 cacacacaca cacacacaca cacaaattta aaacaagtta aatctccctg tgacactgaa
89701 ctttaacataa aaaaactatt cgaaaagcagg tccatgttaa atgtttttt gtttcttttc
89761 tgtctctctg cattaaaggga gatgagaagg caaaatggac cgagttagag cagacaggtc
89821 acagtcatgg agaaggggag gtgtgtaggg gtaaaaggaa ggaaaaaag gaaaaggaa
89881 gagagcaagt gcattgagat gaaaactggg ggaggatgta cagtaataca tgggaagtgg
89941 agtgaggaaa aaagaaaatc ctattgagga ttaggagatc attttaggac ttatgtgagc
90001 tggagttggg taaattttca agcaatggca ttgtgagttt caaagttgca tatgttggca
90061 gttcaaaaaga agaaccagtt ttaaaggagg ccaggaggcc agttttttta agtacatcat
90121 ctgtttatga ggatagata gttaaaaggg aaagccagca tttccaaaaga aggatgtaga
90181 aagatacatg gtatagaaat cctgtcaact acaaggaaaa tctggggaa gtaataattc
90241 tgggttatgt aattaagctt ggttttgggt taagggtttc cagctcattt gcttgggtgc

```

FIGURE 1 (continued)

90361 tgaaatggta atgtaaataa gatataatta ttgggtttgcc cattgagaat tacaggcctta
90421 ttgagatgaa aggaaggcat cataatgatc acaaagctta aaatccctta ggtcacaaaa
90431 ccaagtgtct actaagggtca gagacatgaa tgctgaaggg gactcagagg gtactgtggc
90541 aatcaagaga gtttctgtcc catgtaaaag ggacagcacc actgagtttc agttgctttt
90601 gccatttgag taccagga ctgaatcagc agatctaatt tctcatgagg ggctggttta
90661 atgttcaaga ttatttgatt caaagaaga aggaaggaa aaaggcaagtg agggcaagtg
90721 ctatgtgaat caaataaatc acatctatgg gctaccagag ctctgattcc atacatttta
90781 gaagtgagaa gcttggttca ggaaatgaaa ggagcttggc caaggtcaca cagctagtta
90841 gtggtagagc caagaacatg ttaggaggca ggcttccctc tcccagatc agttgcctgc
90901 ctgtcttgtg aagattctga tgtactcaca gacacactga tttcttccct tctccagag
90961 tttggcagtg gccttgcttg tgtgcttccc tctccttagc agcttggttg aaaagtttcc
91021 aaaaaactca aaaaaaaaa atccaaatcc aatgttgctc tgggtccatta agtaaatctt
91081 ctcgatctgg gaagcaagtt ggaaagga gttaaacaca ttgggttttc atggagtttc
91141 taagagttgg agtcagcaca actaaaatct tcaactgcgc ctgggcttaa tgttttgaaa
91201 tctgtctttt ctttccattt aaacatttcc aaagtgttgg tgctgcgctg aatataaaag
91261 cagctctaaa aatacagatg tattaataac cttttttttt ttaaaagtac tctgacttaa
91321 cttgtgtagg taaaatttag aatcaaagat gccatgaaag tagcaaactt ctaaataagc
91381 agtagcataa agatgctgca taaaatgatt ataaaagata aaaggagacag aaagtttatt
91441 aaacatgaga gaagaaagtc atatgccagc aataaagaag gatattcaca ctattaagga
91501 gtcacattat tttattacac aatcatgcac cccttaagga catttcagtc aaccaaggat
91561 tgcataataca tgggtggtccc gtaagattac aatggagcag ccagacacgg tgggtgcacc
91621 tgtaatccca gcacttttggg aggccgaggc gggcagatca cgacatcagg agttcgagac
91681 cagcctggcc aatatggtga caccctctc tacgaaaact acaaaaatta gcctgggtgtg
91741 gtggcgcgcc tgtagtccca gctgctcggg aggctgaggc agaagaatcg cttgaactca
91801 ggaggtggcg gttgcagtga gccgagatca tgccactgca ctccagcctg ggcgacacag
91861 tgagactcca tctgaaaaaa gaaaaaaa gattacaatg tagcagaaaa acttctattg
91921 cctagtgaat tagtagccat gttaacaaca tattgcaaca cattactcac atatttgtga
91981 tgatgtctgg ctaaaacaaac ctactacact gccagtcatt taaagtataa cacatacaaa
92041 tgggtacagt acatgatact tgatgatgat aataaatgac tgttactggc ttgtgtattt
92101 actatactat attttatcat tattttagag tgtactcctt ttacttagta aaagaaatta
92161 actgtaaaac agcctcaggc aggtccttca gaagatattc cagaagaagt cattgttatt
92221 atacgagagg acagacccat gcatgttatc gaccctgaag accttccagt gggacaagat
92281 gtggaagtgg aagacagtga tattcatgat tatgaccctg tgtaggccta aactaatgtg
92341 cctgttttgt tcttagttta gtttttaata aaaattcaaa aagtaaaatt taagtttaatt
92401 aattaaaaaa aacagcttat agattaagga tataaagaaa gaaaatgttt ttgcacagct
92461 gtacaatgtg tttgagttt aagctatgtg tgattacaaa agtgtccaaa gatttttaaa
92521 aattaaaagt ttatgaggta aaaacgttag agtaacctaa gtttaattta ttattggaga
92581 aaaaaacttt aaatttagtg tagcctatgt gcacagtgtt tacaaagtct acaacagtgt
92641 acaataatgt tttggccttc acattcactt accactcact ggtcaccca aatcaacttc
92701 tagtactata aacttcattc atgggaggta ccttatgcaa ggttacctt ttatatcttt
92761 ataccatatt ttactgtat ctctctatg tttagatatg caaatactta ccactgtaaa
92821 acatttcccc atagtattca gtacagtaat atgctgaaca ggtttgcagc ctagacgtaa
92881 taggcacacac cacatagtct gagtgtgtag taggatatac catctagggt tatgtatgat
92941 gtccacacaa aaatgagtc ctaacaaga catttctaag aaggtatcac tgtcatggag
93001 acacctgaat gtactgtaaa tatggcttaa aaggtatttt gtagttaaag gatcccttaa
93061 aacaccttca atcatacaga ggaaaaggaa gttttaacaa agtatttgaa aagtgtttat
93121 gtaacatata taaaaaaa gttttaagac agtatttgaa aatagttatg taaaaataat
93181 ttgagcttcc ttcaagtgtc aagctcactt acaatcaccb abacacatat aagtctattt
93241 tataccctaa aattggcttc atgaattctt agagaaatct cacacaatca tgattattgt
93301 gtgaatcatt actaatataa actataaata ttgaaattat gtgtgcttcc atacaaaaaa
93361 tgtttactat ttacatacaa gagggagttg gaaaaatttt gtaataactg gaaaagaatt
93421 ggtgatccct ggaagcccag aggcctagtt tccctctggg ggtgatgtg attatttgtc
93481 ccagcagttc cctccaaaag ctaagagggt ttgggtaaaag caataatgag ctatgcatac
93541 atggaaaaat ctttcatgtg ctttcaacca acagaattta attaaatatg gttcatatgt
93601 ttgtatcttt taagccaaat cttcatagtt gtataatgtt actgacagca tcagcagaca
93661 agacacaaaa gttttgggaa caggaagtgt agtaattata attgaaattg agaaataaaa
93721 agaaagggtc aagtaacaag aaaaagggtt tgaattattt ttctctacta gtgttatttc
93781 ttgaagattc tggctttcaa taatcaaaat cactctcaga agtattatta ccatagaaga

FIGURE 1 (continued)

93841 aataatacat tactgtatatt caaaatgcag aatatcttat acctctctag agaagtcctt
93901 tttttttttt tttttttttt gacaaacagtc ctgctctgtt gcccaggctg
93961 tagtgacgtg gcacaatctc agctccaccac aacttctgcc ttccagggtc aagccattct
94021 tctgcctcag cctcccaagt agctgggatt acaggttcgc accaccatgc ctggctaatt
94081 tttgtatatt tagtagagat ggggtttcac catgttggtt aggctgggtg cgaactcctg
94141 acctcaagtg atctgcctgc ctgcggcctcc caaattgttg ggattacagg tgtgagccat
94201 cgtgcccggc tagtcctttc cttttgcttg cattcctgta agagagccta agcctcagcc
94261 tgtgtaggag cacagaactt ttttaagatga ctcatatata tgaggccctc cctcagctg
94321 ttccatcatt gagaaacttg tttctccatc ctacattttc tcagcttctg ttattaaccc
94381 tagtcccatg gagatggaga cagcttcatt tcatttcagg ctctaaaagt ctctctgagc
94441 taggggggtc catctaagcc cgtggcagta aataccacat ttacactaac aattcctaca
94501 tctatctctt tttaggtata acctctctgc tgaccttaag cctcacacat ctaactgcct
94561 ctaaggcacc tcaaattcac cataccaga taagcttata atcttcccct gaacacaaac
94621 atgcttttat cacagtagta gaactactat gcaccagtt tcccaagaca gaaacctagt
94681 aagtgttggc tcatctctct cctctctcat cttctctcta tattcaatca atcatgcatt
94741 tcagttttat tcagcaatct catttgccca aaattttacca gattttcttc atactcaaat
94801 tggaggacac catacgtttc ctggattatt gtcatatctt cttaactgag atagcttcgc
94861 cattttcaac cctacacaat gaatttgttt cttaggggaga ctgactctta gaaaagttaa
94921 tgctgaccgc actcatctgg taaagoactt caataactcc ccattgctct taagggtgaag
94981 tctaagccct acatggtttt cccagtttaa gtgtttctac tgagccttca gcttcggctt
95041 cccatggact acttctctat ttcactccat ttgttccctt ctcccaacct taattgtcta
95101 atttattcat cagaactcag cttagatata acttcccttg aaagctttct tcgacatttc
95161 ctaagtgtt cactggcata aagtattttc cctatcttgg cacttatagc actataatgc
95221 aattacatgt ttctttattc aacaaagatt tattgagtgt ctattatata tgccaagtgt
95281 tgttttagat gctggaagta ttgtagcgaa caaacagac aagttgtcac tctcatgggt
95341 ttatatattc acaaacacta ttgaatttaag aaagaaatac atgttggaag taagtgtca
95401 tgaagtatgg agaggataat gtgatatagt gtgactgggg caagaagaaa tctttagttc
95461 aaagtgatga ggggaaggct ctctgataag ccaacagggg agctgagaca cgaaagttag
95521 aaaacaagt cgtgtgagtt ctgagggaaga ggattccaag cagtagaata cacacaaaca
95581 cactaagatg gaaatgatct tggcataatc ccggacatgg aaaagacaag caagagaaaag
95641 actgatgaa tgaggggcaaa gtggtgaagt gagtggcaca gtggcacaat catgggggac
95701 atggacgctc tgatgtagac ttgggtttta attctgcctg gaatagaagc catggagaga
95761 tgtgaataga gctgtgatat gaaccaactt agaaggatca ctctgtctgc tgtgtgata
95821 aaagactata agaaataagg tggagaaaaga gaccatttag aagactgtag cagtcaatag
95881 ttctggcaag agatgatagt gcctgggact actgtgcata ttagatactg taggaactag
95941 atgttttttg aacatacttt aaaagttaaag tgcagatgaa ttgaatatag gatatgagag
96001 aaagaaagta gtcaaggatc ataccatata tttttgtctg agcaagttagt aaactacagt
96061 gatcattata gtatcctcct ttatccacag gtgatatgtt ccaagacccc ccagtgaata
96121 tctgaaatag aatactacca gaattctata tatgttttct cctgtacata tatacgtatg
96181 ataaagttaa atttataaat taggttaaagt aagatattaa taacaataat aataagagaa
96241 caagtataat aatatagtgt aatgaaaagt atattaatgt gctatctccc tgtctctcaa
96301 catatcttat tttgctgtac taacccttat gatgatgatg tgaaatgata caatgcctat
96361 gtatgtgatg agctgaagtg aggtgaatgg caggcatttt gatggagcat taggctgcta
96421 ttgagcttct aataagtcag aaagaagatc atctgcttct ggtgatcttg gatcattcag
96481 ccagatattg atgcttgag cagacaatgt gatggtagag gattccataa ttgaagtatt
96541 ttgcaaaaat gttttggaat aacattataa ccataataaa aatttgggtt ctcttctctt
96601 ttaactcact aaagtgttgc tgcggaggtt gtaatccttt ggtaactata atcatatgag
96661 tgaacttaat gctgcatttg atccaaggat tatattccat aattttgttc ttaattgtt
96721 ttgcagctga aaacatgtca gbaaattttc gtaatgtcga cattgtgatg ttgtgttctg
96781 ttttttatct tctttcgtat cctatttctt ctgtagatga ttcaacaagt ttttccaaat
96841 tcttatctgt taatacttct tgatggcctt caaaatgttc ttccacctga gaaagtatgt
96901 tggcaaaatc ttctcctttg ctgcagggaat tattttccta accttggcat caacctcag
96961 gaagcttcca caatttcact ccatattgtt tttcagcaga catttgcagt ttgtgtttta
97021 attcaccatc tacaacttga ttaatatatt tgtgacagca atagttagtg atttccagca
97081 ctccataatg tccagattag agtctgcac aattgtcta tgaattcaat caaattactga
97141 gcagggttat gtggccttga cagactagat gataacctgg tbaagggggt gaagcaatta
97201 ggtgttatct ggaggtaaaa atgcaacatc aacattttca tttttgttag aaatatctag
97261 gatgggtcag tgcatttctt attattaaaa agactttaaa ttccaatctt ttatcttcaa

FIGURE 1 (continued)

97321 agtattttttc acttccagga tgaagcattg gtggaaccat tccataaaca atatggctat
97381 cattcattgca ttctgattat gttaccataa catgggcaaa taattttttg ttttggcatt
97441 ggtttttgat ctttgcttgg tacactatgc ccggctttat cacatgcctt gcagatttgc
97501 cacacagtac cagagttaat ctgtccttcc atgtttttat acctgatgcc ttttttggac
97561 ttttatgaat gtaggtgcta ttgggtcatct tcttccagca gagccagggt tcatcacaat
97621 tgaagatttg ctttggatgg tatectttct ccttaatcaa ttccttttaa tctgctggaa
97681 atgtgcagct tcttcatctg cagatacagc ctcttcagta atttttatat tttcagggtc
97741 aaacctattc ctgaatctgt ataattatct ctacttgta gtaaattggc tgggtgctact
97801 catttcaaag aatcccttgc tgaagtcttt atataggctg aatgggcccc agtacaacag
97861 gttgccttca atcagtatat gttttatttt ttgctcatga cttccaccca caatttaagg
97921 cctttttccat cataactaag cacttatcat gactgtgcc cataaatttt tcagtttgag
97981 tagcaagagc aaaactagca caattttctt ttttctattt cagcatttca tgtatagaaa
98041 atttattatt actgtattag tcagttctca ggctgctgat aaagagatac ccaagactgg
98101 gaagtaaaag aggtttttat gacttacagt tctgctgggc tagggaggcc tcacaatcat
98161 ggcagaaaagc aagaaggagc aagtcacatt ttacgtggat ggctgcaggc aaagagagag
98221 cttgtgcagg gaaattccca tttttaaaac catcagatct cttgagactc attcactatc
98281 acaaaaaacag tccaagaaaag acctgctccc ataattcaat cacctccccc cagattcctc
98341 ccatgacaca tgggaattgt gggagtaaca attcaagatg agatttgggt gggaacacag
98401 ccaaaaccata ccattccacc acaggccctc ccaaattctc tgtaccaca cctcgaaaca
98461 aatcatgcct tccaaacagc ctcccaaagt cttaactcat ttcagcatta actcaaaagt
98521 ccacagtcca gcgtctcatc tgagacaagg caagtccctt ccacctatga gccggtaaaa
98581 tcaaaaagcaa gttagttaat tcctagttag aatgtgggta caggcactgg gtaaataggg
98641 ccattccaaa tggagaagaa tggccaaaagc aaaggggcta caggccccc atgcaagccaaa
98701 aatccagtgg gacagtcaaa tattaaagct ccaaaatgat ctcttttgac tccgtgtttc
98761 acgtccaggc cacgctgatg caagaggtag gtgcccattg tcttgggcag ctctgcccct
98821 gtacttttcc aggtatcagc ctcccctcca gctgctttca cagggtgtgt ggctgtgtgt
98881 ggctttctcca ggcgcatagt gcaagctatc agtggatcta ccattctggg gctctggaga
98941 tagtggccct tctctcacag ctccactagg cagtgcccc ttaggaactc tacgtggagg
99001 ctctaaccac atatttttct tccacactgc cctagcagag gttctccagg agatccctgg
99061 ccctgcagca accttctgtc tttatataaa tgtctttata ttcaggcatt tctatatatt
99121 ctctgaaatc tagacagagg ttcccaaacc tcaattcttg acctctgtcc acccagaggc
99181 tcaaaaccat gtggaagctg ccaaggcttg agactagcag cctctgaagc catggcaaaa
99241 agctcctttc agctcctttc agcagcgcc cctggccccc ggaagcagga cacaaagtcc
99301 ctaggctgca cacagcatgg ggactctggg cctggccccc aaaaccactt tttctctcta
99361 ggctctctgg cttgtgatgg gaggggctgc tgtgaagacc tctgacatac cctggagaca
99421 tttctctctt tgtcttttgg attatcattc atctcctcgt tacttctgca aatttctgca
99481 actggcttga atttctctct agaaaatgga attttctttt ctattgcatc atgaggtcac
99541 agattttcca aattttttat ctctgtttcc cttttaaaaa tgaatgcctt taccagcacc
99601 caagtaatat tttgaatata ttgctgctta gaaactctct ccaccagaca ccttaaatca
99661 tttttctcaa gctcaaaagt ccacaaaatct ctagggtagg ggcaaaatgc tgcaggtcac
99721 tttgtcaaaa cataatgaga atcgccattg ttcaggttcc aacaagttcc tcatctctat
99781 ctgagaccac cttagcctgg actttattgt ccatactcgt atcagcattt tgggcaaaagc
99841 cattcaagaa gctctctagg agttccaaac tttcccatat ttttctgtct tctctctgagc
99901 cctccaaaact cttccaaacct ctgcctgtta cccagttcca aagtcacttc cacattttct
99961 ggtatcttta cagcaatgcc ccactctact ggtaccaatt tactgtatta gtctgtcttc
100021 atgtctgtga taaagacatt ccaagactg ggaagaaaaa gatttttaat ggaatttagg
100081 tttccacatg ctgaggaggc cacacaatct tgggggaaag caaggaggag caagtctatc
100141 cttacgttgg tggtagcaga caaagagaga gcttctgcag gaaaactcct gtttttaaaa
100201 ccatcagatc tcatgagact catcacttt catgagaaca gctcaggaaa gacccacttc
100261 cataattcaa tcaactccca ccaggttcct ccacacaact gtagaatttg tgggagttac
100321 aattcaagat gagattttgg tggggacaca gccaaaacct gtttaattac ttagatctta
100381 ccaactctag catacaactt ttttcttttt tttttctttt tttgctttcc ttaattcaag
100441 agacttcate tttttactta aaggaagcac aatacagttt ctcttttagtg tatccaaagt
100501 gtcagcatca ttactcttgg gttttgaggg cattattaat taaaataagg gtaattgaa
100561 cagaacacag tgatacagtg atattcaaca agctgggcag taagtgaata ataggcagg
100621 ggtgtgcaca gcaagaatat gctgaacaaa gcaatgatcc acattccagt taggacagag
100681 tgggattggg tgagatttta tcacacaatt cagaactgtg tgaattttaa aacttatgaa
100741 ggggtattat tagcaatttc catttaatat tttcagacca cagtttgcgt aaggtattct

FIGURE 1 (continued)

104281 gtattatgtt aggcaaagat tgcagataac caagaaattc cttcagtagt taaaaaaaaa
104341 ttagtattat atgaggaaaa caattttgct ccacccatcc ctacacccat acagaaaaat
104401 taatttgtga tagattatag atttaaattg aaaaaaaata aaactataga gttgctagta
104461 gaaagcataa cagaatgtct tcataaaatt tgggtaggca aagatttcta aaacaagatc
104521 tagaattaat taccctaaac tattaaaaat taacattttt aactattgac tattaagcat
104581 taaaaataatc gatacaattg atgtcatcaa gggtcacatt tctgctcatt aaaaggtagt
104641 actgagaaat tgaatgggaa agccgtagag tagaagaaaa catttacact acagtcagac
104701 ctcttttattc atcggtttcta cattcatgga atcaaccaac cacaagccaa aagaattttt
104761 taattgtatg tttactaaac atgtacagat ttttttctta tcattattcc ctataaaata
104821 cagtataaca actattttcac agcattttact ctctattaga tattgtaagt aatcctgaga
104881 tgatttaaag tatacatgaa gatgtacata gtttatatgc acatactatg ccatttttatt
104941 tgaaggactt gagcattttg ggatttttgg atctgtggga agtctctgga ctattcatcc
105001 atggatagtc agagacaact gtatatatga gcaattttcaa caactcaata aagaaaaaa
105061 acaccaattt taaaaatttg caaaagactt acataggcac ttcactgagg aagaaataca
105121 aatgactaat gaacacatta aagatattca ataccatttg tttcctggta aatgccaaat
105181 aaagtcacaa tgaaatgcc aacatatacc actagcatgg ctaaaattaa aaaataaaaa
105241 agactgacaa caggaattgt tggcaagaat gtggaacaa tggaaatctc acacattact
105301 gaaatataaa ttggttaaagt tagtttgaaa attgggtttt aaatgtttta taaaattcaa
105361 gctgtgctga ctttataacc cacaaaattc acccctagtt atttactaaa gagaaatgaa
105421 aaatattatg taacaaaaaa gtacgaaga atgttcagtc actttattca tagtagccaa
105481 aaactaaaaat taatcaaatg ttcataacc gtggatggat aaattgtgct ttatacaatg
105541 aaatagttat agtagtaaac agacaaataa aaaacctgct catacacagt aacagcatgg
105601 aagaattcta aaaatattat gctgcaaaag aaaacaggca caaaggagta tatcttgtat
105661 gatttttact gtataaagtt cttagagcaag atatctaagc aatggaatca tgagtgggtg
105721 cttgaggtaa aggcagtgc aaggattaac ctaagaagaa tttctaggat gctaagaatg
105781 ttttatatct tgatagatta tggatttatt ggatgtatgc aaatattcaa actacaaat
105841 ttgcatttta aatgtatgca tttcactgca tattagttat tctcttatta aaatatttct
105901 tttttatttg taaaaatatg ctattaaaaat cactaaatgc aattaattac ttttaccatg
105961 cgctaaataa aacacgaatc ccagtttagc aactttttaa gaaaaaatg cagttttttt
106021 ttcacttttt atcattgcct tggtttagca tttattttta taaacctcag caaattttca
106081 ttaagccatt atgttgtttt aatgagctta tactttgtac attttagctg tgtgagaaaa
106141 tcaaaactct acaggtccag gtatataaag cagcaatacc aggtttcaaa gaagcccaaa
106201 gatgcaagag atatcacata cttctgttaa acatcagaaa ttctttcttc ttagtatttc
106261 cagttctcaa ctcccatacc tttctttccc aattggtaga aaatgacaga acagattagg
106321 atcaactcag ggccctctgc ataaaaagcc aacaaagtaa acttccccc aagtgagatt
106381 tccctgaggt tttgctgtgt atttttttgt ttgatttctt gttttttgtt tgtttgtttt
106441 ttgtgtgtgt ttgtgtgtgt gttgttttta gtgcttaggt taacctagct ccagatctga
106501 tttcttagga agcttctgaa ataaactaaa gctgaagtgc aacaacactt tttatctact
106561 ggcctgaga gtgaatttaa caacctgcaa ctottaacag ctgtctttct gatgcagcaa
106621 tttctgaaa cagctgtgtt ctcttatcac aggtgttacc ttgaacaac agtttcaaac
106681 taaaaactga ttagatttta aaaacagata aaagtggctt tatagtaaaa atttttgtta
106741 ttttttttat ctaaaaaata caactttttt ttgattgctt taatcttgag aattaaaaaa
106801 atcatattct cttttttttt catagcacat aatctaggac atctccacaa ttttttaaaa
106861 tttcatcttt caaaaaatata gacttttaaa ccagggtctg ttagatgtct tggccaggtg
106921 agactggaaa tgggaattatt tcaattttta gctcaaatag tgggaagtgg tggaaaaatt
106981 aaatggctta caggcagcca gaggcctaca ttgtcccata aaacttgaca tttagatgac
107041 ttgatgagga gacaaataat acatcacaa cttattatca gaaataaaaa tttttttttt
107101 aaataggag aatatttagc ttttttaatt cagctattca taaattgttt aaactttttt
107161 caataaaaaa aaaaaaaaga ctatgttaaa ttttttaatt tgggaaaaaa agtttttttt
107221 tttggggaat gctttaacat actgtccata aaagtgtgtt ttccagaaag ttaggtgtat
107281 ctctcaataa cccaggacag atgttgggta gatgttagat atattccagac ttgaccccaa
107341 atgtgacatg ttaactgtgt taagcttgaa ttaactactt ttatgtttta ttttaacaaa
107401 atgtgtaaat ttgcaagaaa cgttagtctt tactctcaaa aatgcattga tggaaaaacc
107461 taggaatgtc tgggtggcat aagaccacaa gcatttaggg gctgataagt ttctccagga
107521 agaagttagt gcaaaataagg gtcacaatta caattggatt ataattgtat taaattcata
107581 ttaagttagt tttgtgtcaa agtccaggac tttgtggaat tttgtggaat gtaatttctt
107641 ctctttggtt accacctttt agagcataca tcttagatca catgttgata attcagtag
107701 ttttttttat aattatttgt cttacttggg gaattgtgaa ttttaaaact atttatgaga

FIGURE 1 (continued)

107761 taatgtcaat acttaatttt caagatgtta aattcattgt ctaaagttat attgtcttca
107821 ttttcttgct tatgaagtat agattctact tgcacttttt cttagtataa acttattttac
107881 acaaatatct agaagagata aatcatttta aatgtttccc attttaactt ttaaagacag
107941 gaaataattg gaagtccaac aaagaaagtg aggttagatt tgtgaaactt attgtgttat
108001 gtttctaaat tctaaaaatt atttttaact gaaagaagta ggaagtacaa atatatcagg
108061 atttagataa aactttttcta aagacataag ttttatctct agtataagaa atatactgta
108121 gcacaaatgt gcagcctgga tttttactgt agtaccaaat ttttaagaata tctcttaact
108181 actatcacac taataagcca tgggttgaaa aatgaagcca cagaacatat ttatttgaat
108241 gaaacatcag gaagatatgc agatatataa ttttttgctt tgcactctgtg tgtttcttta
108301 aaaccttggtg ttacctccga aatatctttt ctttcttttag ccatatttct atctatgagc
108361 aaggcttgaa aggtgactta aagggggagt aaaggttctg ccaaagctta caacattctt
108421 attgtagtta aatatgaaga attttctaga atgcttacia aataatcatt ctgcatattt
108481 tttctgttaa gagaccaata gagctgagag ataaattctg aaatctgttc
108541 aatttatatct tgggaattca aaatgcacat taacctatca gagacttcaa gaagtcttgc
108601 agtaagtaaa tctgttttagc tttgtttatc gtaggggttc ccaacttttc ggacaacata
108661 atggcagtta cataacatgg aagtttctac ttgggaaatt gccagaagt ataaagttga
108721 aatggaaaaa atatatccaa actatgtgta tatatattaa aaggtcaata tattaccact
108781 atcacacaat ttatgagata cttccaaata tgccatttta ttttacttcc ataaatatgt
108841 tgtgagttag aaagggcaag tattaatcac attcattttg aagatgaagt aacttcaact
108901 taagtgcacag ttccagatcc aaaggagata aagtaactga attctgtctc aactgaatga
108961 aatcaagagc ccttcacaga atgcatgaag cagctacttg agaactctga aagtaaatg
109021 atagcagggg gattgagcaa gaaatccaga acccaaagta caagcaatcc agtggggagt
109081 tttcttggtt tctctttttt ccaccatata ctccttgctt tagaggataa tatcccagaa
109141 tagataatgt accaggcaca gacaggaaga gctccaagat acactttttt aaaattatga
109201 ttctatattat tttgggtttg tgcattggga gtagagtctc tatgaagcag aaaaagttgg
109261 gggaattccc cgagcttctc ttgtctcctc aactttgctt acagcaacct tcactcctga
109321 atctccaact ttgtggtggt agtcatggca accaggcagg taccgaaaac tctgagagag
109381 gagagtctgt ctctctaac cttctaacga aaaaaagcta tggaaaagaa aacctccct
109441 tttcacctct tcttctgccc acttgatctt ggaggcagaa tgagtcaaat aatgtacaaa
109501 gcaggggtgag gagacgtagc caggcaacca agaaggaagg actctgggag tgaggcaatc
109561 tgggtggagac tgtggggata aggggattca agaaaggaat cccgaaagtt ttatatgaac
109621 ccttgctctc acatctgagt tgaatggtgg atctgatcct aaacagtatg cctaaccggc
109681 tttgagaaca aaaaatatga gggagactac cacacacatc tgagacctgc tccatgggtg
109741 gcacacatgc agaagagctg aacaacattt aaaaaggctt gaaaatatac tgatatttga
109801 actacagtac acataaagtg tgaagaaat tgcagccagc acccaactga atcaattctc
109861 tactaaaaaca aacctaacaa caatgaaatg ttatccatat gatataatgt agatccagac
109921 cctcataatt taatactcaa aatgtccagc atccaatcca aaattactca acatataaaa
109981 gaactagaaa agtctgacaa attaccaaga gaaattaaaa ccaacagaca ccaacccaat
110041 acgaaacaga tgtagaatta tcaaagttta aaaaagcttt tttagcatgt ccaataaagt
110101 acaacaaaaca tcttttaaaa aatgggaaga aaaaaatgtc tcatcagaga gatgaactta
110161 taaaggagaa ccaaatggaa attttacaac tgaaaaataa aaccactaat gttcttttaa
110221 atccgttaat ttaaaaaaaa attcagtaga tgggttcaat agcagaagga agacaataga
110281 ggaaagtaat tttgtagata aatcaataga aagtattaaa ttggaataat ggaataaaaa
110341 tattgaaaaa aagaacagtc ttgggaactt gagggcaata tcaaaaaagt taacatttgc
110401 atcatcagaa ttccagaaaag ataagaggaa gatgggtgga cagaaaaaaa ttttgagaa
110461 ataattggtg aaaaacttccc aaattttgtg aaagacataa acctacaaat taaaattcat
110521 caaacccaaa agagaatgaa ctcaaaagaa tacatgcccc tatcacattgt aatcaaatct
110581 atagaaaaca aaactaaaaga aaaagtgttt aaaggagcca agtcaaaaaa atacatttct
110641 tataggagaa taactattca aattattgta catttctcat cagaaaagaa atagtgtgt
110701 gaaaacttta ctgtaactga agaaaggagt tgcagccta gaactattat taagttaaaa
110761 taaccttcat ttacaaatga agataaaaaa taaagggtac tcaaaattga aaggaaagaa
110821 tcaaaattat cttgtttgtt gatgatattg tottactttt gysaaaaacta ccaaaaaacta
110881 ttagaactga taaacaaatt cagttaaagt gcaggatata taatcaacat acaaaaaatca
110941 gtagcatctt tatatctcaa cattaaacaa tctgaaaaag aaataaaaaa agtaatccaa
111001 ttacaaatag ctaaaaataa gataaaagaa ttaaagaagt aaatgatcct tacaatgaaa
111061 actgaaagaa attgaaagaa attaaaggag acaccaaaaa cagaaaaaat tttcatgttc
111121 atggatttga acaatcaata ttgttaaaat tttgtacta ctcaaaagaa ttacagattc
111181 atgcataaat ctgcacaaaa tacaataaac attcttcaca gaaaaaaaaa agaattttta

FIGURE 1 (continued)

111241 aatatttatatg gaaccacaaa agatccagaa cagccaaagc tacccttagc aaaaagtata
111301 aaactggagg aaccacatca ctgtgtttca agttattgta cagagctata gtaacacaaa
111361 cagcatgttt atggcatgtg aacagggtaca cagaccaata gaacagaata gagaacccag
111421 aaataaatcc atacatctac atgagctca gttccaacaa aggtgccaag gacttaagtt
111481 gaggaagaac aatatcttct ataaatggta ctgggaaaac tggatgtcca tatgcagaag
111541 aatgaaaata gacccttatg tcttgctata tatgacaatc aaatcaaaat gaatgaaata
111601 ctttaaccca agaatttata ctatgaaact actacaaggc aacattgggg aaactctcca
111661 ggacactggc ctggacaaaag atttcttgag tagtatttca caaacacagg taaccaaagc
111721 aaaaatggac aaatgggatc acataaagtt aaaacgcttc tacacagcga agagaacaac
111781 caacaaagtg aagaaacagc acacagaatg ggagaaaata tttgcgagct atatacctga
111841 aaagggtata ataaccagaa tatataaaga gcttaacaa atcaatagaa ataacttaat
111901 aatctgattt taaaatgggc aaaggatcta aatagacatt tcttaaaaga agacatacaa
111961 atagcaaaga gtaatatgaa aaagtgttca acatcactga tcatcagaaa aatgcacaa
112021 aaatctacaa tgagctatca tctcaccaca gttaaaatgg cttttatcca aaaggcaggc
112081 aataacaaaa tgctgggtgag gatgtggaga aaaggaaaac tttgtacacc attggtataa
112141 atgtaaatta gtacaaccac tgtggagaac agtttggagg ttctcaaaa aactgaaaat
112201 aaagctaccc atatgatcca gctatctcac tactagaaat ataccgaaa gaaaggaaaat
112261 tagtatattg aagcaatatt ggcactttca catttattgc agcagtatcc acaatagcca
112321 agatttggaa gtaacgttaa gtgtccatca gcagatgaat ggataaaga actgtggtac
112381 atatacacaa taaaatacta tttagccata aaaaagagc gagatcctgt cattgcaac
112441 aatatagatg gaagtgtagg tgcttatgtt aactgaaata agcctgacac aaaaaacaa
112501 agttcacata ttctcattta tttttagtaga gctaaacatt aaaacaattg aattcataga
112561 catagggagt agaatcatgg ttaccagaag ctgggaaggg ttatgggggt tcaggagat
112621 tagtcaatgg gaacaaaaat atagatagat acaataaata agatccagng ttttatagca
112681 caacagcatg actatagtca acaagaattt acacaaatct gtgcacttta aaataactaa
112741 gagtataatt ggattgtttg taacacaaat aaaggataaa tgttcaagg gatagatact
112801 ccataatatt ctgatgtgat tattacgcat tgtgtgtctg tgtcaaaaaa cctcacatac
112861 ctcataaata tatacatcta ttatgtaccc actaaaatta aaacaatagc ancantatat
112921 nccatagatg aaataaagat ggttttggat gaatgaaaan nnnnnnnnnn nnnnnnnnnn
112981 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn
113041 nnnnnnnnnn nnnnnnnnnn cttttgttac tcccaccaat tgggtccaaa gggtccccag
113101 ttttaacttt acttccttgt ccaaaattgc tacttgagtt tcagtcgttg cattcgtatt
113161 ctgggcagct aagagaggca cggtagtaa aacaggccat ctcagtttca tcactctctt
113221 taagtgtgct ttctagaagt cttaccaaat agtttctcat actttgtca acactgtat
113281 atgtgccac tcataatacc caaaggaaaa tctgtttttt tattttaagc agatataagc
113341 tctgaaatc tgagttccct tattggggag ttgagggaat gttgggtaca ataagtagc
113401 tccatagac cctagagaga atattcctga aattgatgtg agtgaaactc tggagtagc
113461 taaagcaaga ttttctaatt tgagaatact tttatcatat ttaccaatat aagttagat
113521 ttaataaatt tactgtatat attggataca gatataaaag ttacttgtgt gttttagat
113581 tctgtcaatt ggaacaaga ttttcttaa gtgtattttg caatgagttg caactatagc
113641 agttcttacc ttttagctaa atactttagt ctctaaata ttttgattag acacttaaga
113701 tataagaata ttaaaactta aattccctca aagaacaaac tatattaata tgataggaat
113761 gtttgcgtgt tttgtgtgca ttttcaatat catttctatt cttatgtttt aggaagctat
113821 taacatcaca ttggatcaca aatgcaaaat tttccagacc ttaaatggag ctgtaggtat
113881 gtttccataa taccggtatt cttacgtata caaacaacaa cctgtgtttt caactatctt
113941 tcttctgtta tgtccatttg ggggtgtgga ctaagggtga cagtgtaaat attgtaattt
114001 ttgttaacta acaaaaaaac tagacttgaa ctttaacatca gtacattaaa ttaaaatcat
114061 tcttatgac tagtgtgaaa aagataagct ccttgcttta ggttaactta aatttaggt
114121 tccacattt gggaatttta gataagttca taaatttaatt acacttattt attacacatt
114181 tcttagtgaa atctcttgta ttacgaatta ccagagatg tagagtagat ccttttagat
114241 cagctgaaaag ataactgggt acaactagac agtagactgg ggaagaggtg ggtgtgtgt
114301 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt atgtctgtgt ggatattgat atgtgtgtgt
114361 gtattataga tacatatatt ttgataaaat acattaaaaac taatcaatat agtaaaatct
114421 aaaaataaat ttatttaaac ataaataact caagttagtc catttagtaa aaagattctt aaaaatctagt
114481 ttgcaattca atcaataact caagttagtc catttagtaa aaagattctt aaaaatctagt
114541 taggcatggg ggtgctgtgc tatagtccca gctatatgag aggtgagga ttgattgac
114601 ccaggagttc gaggtgtgca tgacgtgtga ttgtgtctt gcaactcaga cggggcaga
114661 aagttagacc cagttcttaa aaaaaaaata aaatttccca caatgcaaaa tgttttagtt

FIGURE 1 (continued)

114721 ggagtgctca ggaattttta agacgatggc tctgctcctc tctgacttga gttttatctt
114781 gcttaagtgt ctaagtctga tttttaagaa ctggaaatat tatcattggg agccaattgt
114841 agaacccttg cttatgccag acaatattct actcaccatg catatatgtt tattatcttc
114901 ataataaccc taaaagacag acgtgggata catttgatag atgactaaac tgagttacta
114961 atttaacttg gcaagaataa caatactatg aaggggcaaa ggcaggattg caagatgaat
115021 tattctgaca gacagctcac tggcttagca cctcaatcac tttactgggt ccaggttgga
115081 gtgagtttgg tatctgtatc tgttgcact gtcatccttc attttgggtt tctgctggct
115141 tggagtagat gaagttacta gaagtgttgt agcacttggg atattacatc catgagaaat
115201 tttgtaattg tgatacacac acatacacac acagacacac gaatacacag acacacacac
115261 gtatttttaa ttactaaagc ctattttctc tttttaaccc agatgaagtt gttttaaaat
115321 ttgaaaatgg caaagccaga gctaagaata cattttatga aacattacca gtggcaattt
115381 atggaaaatg accaccaag gtaagtaaca gttactttta tttggccaat tcttgagat
115441 agactatgga ttgatatgtg gaatgtcatc tattttatct ttaaaaattt ctttcaaaga
115501 ctttattttg gtgctaaaat aaagacttca tcttttacac agtatatcat ctgggtttat
115561 actaattaat taatcaaact gatttttctc cagcagagtg atagcctttt attctattta
115621 tttgtaattg ggcgttttat taaataataa caactaactt gggagtggag cacatttctc
115681 tcatactggg tatcctttct cattaggaat ttttcaggac attaagatg catttgtttc
115741 acctgacttg ccgttttcta agttaacaac actgttaaga ttgggtgatt acaatatggc
115801 cagaaagctt cctctttctc ttatttcatt aactacagtt aatgaaagt acataatttg
115861 accaataaaa ttttgatgct ctttctgttt caaatgtgta taattgagct tgctaaaaat
115921 gttattgact gcaaaaattt tagatgaaaa gtttgttttg cttgggtcca atcaagctgg
115981 aacataaatt gcattgaaaa aatatagtaa tactgtgctt acaacaacct tctgacatgc
116041 tgaaatgcct gggttaagta cctagaaaaa ggattaacag atttttgttg tgggaagaaa
116101 atactggggg atgtgggctt ctgttcaga gtagtgagtg atctgaattc caggaaaagg
116161 tatgtgaatg gaaagaaatg caaggaaaac gcatgctggc aacttctgct ccatcaaact
116221 gaaagaagta gattcccgtc tcttctagtt aatctttccc ctttgggttt catcccatc
116281 cagccttctc acaaagcaat ctctatcttg tgccctcctt cagtctctat cttataatca
116341 gtttccccag ctctgtcatc tctcatttag cattttaaag accagtaagt cctctccatc
116401 ttacaaatga aaccaaacca agccaacaca aggtagaaca tctcttcaa tccacactgc
116461 attccaggct gcacctggct tttctctctc ccttcacagc caaagtttct taaaatatag
116521 ataactggct gtcactactc cactctctcc catcacagta agaaatgctc ctgttaaggt
116581 ccattgtgaa atctttgttg agtagtgagc attgttcagc ctttattttt cttcaccta
116641 aagacagcat ctgacaattc attgatttct tttgttctta cttgaatgct ccttcccttt
116701 gcttccacga tgctctgctg ctttgtctat ttattttctg ggctttctct tccaatctct
116761 atggttcttc aaaatattta ttttaaaaat tttacagctc agtttgtgtg catgtagtga
116821 cctctatctt tactgtttta gtaaatgttc acaggggctt gtctgggggc tcttctctct
116881 cttttccata tacattgttg ggtaatttga gtcattctct catcagtga tttctctaat
116941 atggttggtt ttcaaatctt tctcttaact cctgtgtctt tcttaagctc caggtcagaa
117001 tactcaagtg gtagatttct gtgttacata taccacagag ttaagacttg caggttacc
117061 tctctctata acccagtggt taaccagaac ctgggttttg ttttgggtct aggtatctct
117121 cactccaaaa gccctctgtt ctaactctct tgcatgtgtg ttttatctga tttctctagt
117181 ggccatagca acttctctag ttcaggccac ctgcaacctc cttctagtag caatccatcc
117241 cccagcagcc tggaaactaga gtattctgct aaagcagaaa cctgtcact ctaatccatc
117301 atataatgat tttctgtgaa cttaggtatg aagttagaaa tcttcaact gtctataaag
117361 gctctctatg tctctctctg tttagtggcc accaatctac cactccatcc atctctctct
117421 tctcaaacct acacatgcac accctcttca catctcaatt cttctctctc ctctctctc
117481 gctcagcaat actacattac tttcaactct gtagaagtt catgtgtgtg tgttttctct
117541 tctctctgtc atacatgtct ttttatctac ctgtgaaact ctctctctaa tttctctctg
117601 ctgcatctct accctgtatg tctctctctc ctctctctct ttaggttagc ctctctctct
117661 tgggtctctc gtatgctctt gtaactctct gaggctctct tgttctctct tttctctctc
117721 actggacagg aatgatattt gctgtctctc tgggtctctc tactaggctc tgggtctctc
117781 aattacagaa accctatctg tctgtctctc tttgtctctc cagggtctca gacatgtgt
117841 agcgaatact accctctctc caaatctctc ttgaattgta gactctctca tctatctctc
117901 tagcattatt ctggggagta gtaaggcaga tctctctctc gcagggcata agcatctctc
117961 aattactatt ggttggcttg gcatgggtgg tctacactct atcccagcat ttgcaaggt
118021 aagtgggttg atcacttgag ggcaggaggt caagaccagc atgaccaaca tttggaagct
118081 cctctctctc taaaaaaa caaatagctg ggttgggttg cactgtctct taatctctct
118141 tactctagag ggttagggca gtagaactct tctcaacctg tagacaggtt gtaggtagct

FIGURE 1 (continued)

```

118201 aagatcacgc cattactctc cagcctgggc aacaagaaca aaactctgtc tcaaaaaaaaa
118261 aaaaaaaaaa agttgggtcac tgttaactttc cctaggcaaa tttaatagat gaatcccttt
118321 actatgtgtg tgtagtcaact gtttttagctg tctgtgatac tgtcagtgcc agttagtcaa
118381 gagctggtag aaccccaactt tttccataac tacatagtgt tctgttcctc cttggtaata
118441 taatatttta atcaaatttta ggctgggtgcg gtggttcaca cctcatgtca cgttaggagg
118501 ctgaggcagg cagatcactt gagggccagga gttcagagact ggccagcatg gtgaaaccct
118561 gtctctacta aaaatacaaa gaaaaaaaaa agaaaaaaaaa ttaggcagct gcttgaatc
118621 tcagctactt ggcaggtcga ggcacgagaa tcgcttaaac ctgggaggca gaggttgca
118681 tcagccaaga tcgggccatt gcactccagc ctgggcgaca aagcgagatt gtgtctcaa
118741 aattttaaag tctttgagga gtgattttgg tcttgagaat ttagtgatta tggataaggc
118801 cttatgttca gtgattttcaa cgtgatccac aattccttcc aaatttccag gatgatgtc
118861 actggagctt taaaaagtga ctaaaggaca tatcacaaga aaaggagcac taatccttaa
118921 tcatttagaa agacctaggt gtactaagaa atattaagtc ttcttgaaa cattttcagt
118981 ttgcactatc actgtttctg gcatttcaag ctatgtgatg ctctattat gttttctctg
119041 atattatcat atctagttca ttttgttatt ctattagaca ataaaatatg aagttttatt
119101 atagatatta tatttggtat aatacaaaaaa ctcgagaaaaa tttgaatatg taaacattta
119161 acactaatat tttataatat taggttaaag ttaaataaat tcaaatgagt atgtcacgta
119221 tcttctctat ccaggctgat ggggaaagaa ggctgattat tacaaacatt ttttaacctt
119281 tataaaaagg ggaaggattt ttttggtatga ttttttgtaa gttagtttta cttattattt
119341 tgttttagta tggatgttta taatgatagt ggttttgagc cataatattg aactaaacat
119401 ttaagcagtt ttttcattaa aaatgtatat aatctataag tggggaagtg attatagtat
119461 gttgatgata ctaaagtata aaaaatgagc ttatttccta ctttctccaa attttatgcc
119521 attggaaaaa atattaacaa ttttaagtaa ttttaaaaaa catttatact gccctcccat
119581 atgggtttta ttcataagctg ttttcagttt ttatgtctcc tcagtatata tctatgaaca
119641 tttatatttt ctttgttttt catagtagta tataaacaat tttgtgtttc ttaattaaca
119701 ttttatttta aacatattta ggtattttta ataattattt tcatacttgg tctgtataaa
119761 tctaatatga atcaattttt agatagaaac tggtttctaa tttgaaggtt tacttttctt
119821 tgaaacccat ttattgttag taatgtataa gatgcataat ttaatgttca gccctttctt
119881 ttaaatatca aacaatatac atcttaatta tgaatttggt agctttttta aattttactt
119941 taagttcttg gatacatgtg ctgaacgtgc aggtttgttg tacataggta tgcagtgtct
120001 gtgggtggtt gctgcacctg tcaatccgtc atctaggttt ttaactctgc atgcattatg
120061 tatttctctt aatgccctcc ctcccccttc cctccacccc tcaacaggct ccagtgtgtg
120121 atgttccccct cctgtgtgtc acgacttctc attgttcagc tccacttat tagtgagaa
120181 atgcagtgtt tgtttcccg tttctgtgtt gtttggtgag gatgatggtt tccagttcca
120241 tcttctctct tgcaaaggac atgaactcat tctttttcat ggctgcatag tatttcatgg
120301 tgtatatatg ccacattttc tttttttatt attattatta ttattatttt tttttcatgg
120361 atcatctctg ggtgtttctc gcagaggggg atttggcagg gtcataaggac aattgttgga
120421 ggaagggtcag cagataaaca agtgaacaaa ggtctctggg ttttctaggc agaggacat
120481 ggggctctcc gcagtgtttg tgtctctggg tacttaagat tagggagtg gtagacat
120541 taacgagcat gctgccctca agcatctgtt taacaaagca cttcttgcaa cggccttaaa
120601 ccatcttaac ctgagtggac acagcacatg tttcagagag cacagggttg gggataaagt
120661 cacagatcaa caggatccca aggcagaaga atttttctta gtacagaaca aaatgaaaag
120721 cctcccatgt ctactcttat ccacacagac ccggaacca ccagatttct caattttctc
120781 cccacccctc ccgcctttct attccacaaa accgccattg ccatcatggc ccatcccatc
120841 agagcagctg ggcacacctc ccagacgggg tctgtgctgg gcagaggggg cctccatctc
120901 ccagtagggg cggcccgagg gaagcgcccc tcaacccctg gatgggggg ggggctgg
120961 ggggggtaga ccccccaccc cctcccgagg atgggggggt ggggggggg ggggctgg
121021 ccccccaccc cctcccgagg agggcgactg ggggggaga ggggctctc actttctctt
121081 aggggggggc gggcagaggg gccctctact tcccggatgg ggtggctggg gggggggg
121141 gctgaccccc cccctccccc cccggccggg ggggtggggg gggcagaggg gctctcaatt
121201 cccagtaggg gggccggggc agagggcgccc ctccacccct ggaagggggg gctggggg
121261 tccccccccc cactccccc ccggacgggg cagctggggg ggcagagggg ctcccatctt
121321 cccagtaggg gggccggggc agagggagccc ctccacccct ggaagggggt gctggggg
121381 cgggggggtg accccccccc cctcccccct ggacggggtg gcttccgggc gagagcgtc
121441 ctccaccccc agacaggggt gttgcccggg ggaagggtct ctcacttctc agaggggg
121501 gttgcagggc agaggggttt ctccactctc agacggagcg gccgggcaga gacactctc
121561 acctccacga cagggttggt gcccagcaga ggcgtctct acatcccaga cagggggg
121621 gggcagaggc gctcccccac cctcagatga tgggggggg ggcagagatg ctcccatctt

```

FIGURE 1 (continued)

121681 cctagatggg atggcggcgg ggaagagggc ctccctcgctt cctagatggg atggcggcgg
121741 ggacagagacg ctccctcactt tccagactgg gcagccaggc agagggggctc ctcatatccc
121801 agacgatggg tggccaagca gagacgctcc tcacttccca gacgggggtgg cggccggggca
121861 gaggctgcaa tctcggcttt ttgggagggc aaggcaggca gctgggaggt ggttgttagcg
121921 agccgagatc acgccactgc actccagcct gggcaccatt gagcactgag tgaacgagac
121981 tccatctgca atcccggcac ctccgggaggc cgaggctggc ggatcactcg cagttaggag
122041 ctggagacca gcccggccaa cacagcgaaa ccccgctctc accaaaaaaa aacgaaaacc
122101 agtcaggcgt ggcgggcgcg gcctgcaatc gcaggcactc ggagggtga ggcaggagaa
122161 tcaggcaggg aggttgaggt gagccgagat ggagcgagta ccgtccagct ttggctcggc
122221 atcagagggg gactgtggag ggagaggggg gaggggggag aggggagagg ggagagggga
122281 gaggggagag gggagagggg atatgccaca ttttctttat ccagtctatc attgatgggc
122341 atttgggttg gttccaagtc ttgtctattg taaatagtgc tgcaataaac atacatgtgc
122401 atatgtcttt atagtagaat gacttagaat cctttggata tataccctgt aatgatatta
122461 ctgggtcaaa tggatattct ggttcttagat ccttgaggaa tctactacac ctctccaca
122521 atgggtgaaa taatttacac tcccaccagc agcgtaaaag cgttccctatt tctccgtatc
122581 ctccaccagca tccgttattt ccagacttta gcgattgcca ttctaactgg catgagatgg
122641 tatctcattg tggttttgat ttgcatttct ctgatgacca gtgatgatga gctttttttt
122701 catggtttgt ggccacataa atgtcttctt ttgagaagta tctgttcata tcttccgacc
122761 actttttgat gtagtggttt tttttttttt ctgttaaatt tgtttaagtt cctttagatg
122821 tctggatatt ggatggatag atagcaaaat ttttttccca ttctgtaggt tgctgttcca
122881 ctctgatgat ggtttctttt gcagagcaga agttcccttag ttaattaga tcccatttgc
122941 caattttggc ttttgttgca attgtttctg gtgttttagt cgtgaagtct ttgccatgc
123001 ctgtgtcctg aatgatattg cctagggttt catctagggt ttttatagtt ttaggtttta
123061 ggtttgcctt taatccatct tgagttgatt tttataagg tgtgagggaag aggtccagtt
123121 tctgttttct gcatatggct agccagtttt cccagcacta catattaaat agggaaatcct
123181 tctccatttg cttgtttttg tcaggtttgt cgaagatcag atggttgtag atgtgtggtg
123241 ttattttctga ggctctgtt ctgttccatt ggtctatata tctgttttgt taccagtacc
123301 ttgctgtttt ggttactcta gcctttagat atagtttgaa gtcaggtagc atgatgcctc
123361 cagctttggt ctttttactt aggattgtct tggctatacg ggctcttttt tggttccata
123421 tgaaatttaa agtagttttt tctagttttg tgaataaagt caatggtagc ttgatgggaa
123481 taacattgaa tctataaatt actttggaca gtttggccat tttcacgta ttatgagcat
123541 ggaattgttt tccattcgtt tgtgttctct cttatttctt tgagcagtggt tttgtaattc
123601 tcttgaaga gatccttcac gtccctcgta tgttgtattc ctaggatttt tattttcttt
123661 gtagcagttg tgaatggaag ttactccta atttggctct ctgtctatta ttggtgtata
123721 ggaatgcttg caatttttgc aacttgatta caaaagataa acaggggaag agctaaccac
123781 ctgatctaca catgaacata actcatttct gaaactaatt tgatttgtaa taaaaataga
123841 gatgtgaatt ttgtgcataa aagctgtagt acttgggtca ctgtgacctt gaataartgg
123901 atatgatttt taaaaggaag aaagaggaaa ggatttgggc ggaaaagtgt ctctgtcaat
123961 gaaaatgaca tcatacttgg aaacattttg agcctaactg cataaacagc cttctgcacc
124021 ataacctagt agcccaggag tgcccagagc ttttcatgag gaaaacagat gtaaatgggg
124081 gttagagagc gccagcaaaa atgtctctag ttttgatgag tccaaaagag ggaagtttct
124141 ggtgggtgat gtgataaacc tctgcctgtg tggtgagagg gttatctagg aaacaaattg agataaaaaag
124201 agtcaaaaagt aatgtttcta aaatatctta cgaaaactaa aagtgtgtgc ttttatgtgc
124261 cagagggtag gaaagtgaca agtttaattc attcattatg tgagatgggt gaaataaccg
124321 taacatttta aaactagtga tcattttaac attcattatg tgagatgggt gaaataaccg
124381 ataaactcatg aaataaattt tacattttta ataaagattc tgagatgggt gaaataaccg
124441 ttttcatata taatagagat tttagacatg gccaaaattt tgggaaattt ttttctgt
124501 ttaaaaaaaa tttttctcag gatattttta ataaaaactat gtttttccac tttagatatt
124561 ttttatcttt ttaagaaata atgcataata ggggatatac tttcacatag atatttttt
124621 tttcaaaaaca tttttgttag aacacaaatg attaatgttt gctttgttca tttagaataa
124681 gtaaaaatatt tttttctgtt ttatttatca agacacatta aaatgaccac atttactttt
124741 gaaatgttgt taatatcatg actacatctt tcttgctctg taatttgttt cctgaattat
124801 ctgttagtcc agaagaaatg tgaatggctt acttgtccat gttttctaat tttgtgttag
124861 agatttaaat tagcttatat tataatatct gtacaacaca aagtttttcc catttttaag
124921 tttttgttcc agcagtgttt gtttctagtgt tttagtacia taagaatatt tgaacaggat
124981 ttttaaatatt tgagaggaat ctggcaaaat gttacccaac tacttcatgt attccacact
125041 ttaacatccc ttttaggact ttaagaagct agaaaactct agttgacact ttggtagact
125101 ttttagatccc catgtttaac atggactttt tttttttagt tttattttac ttttccaatg

FIGURE 1 (continued)

125161 aaaaattatt gatcatataa tgataatagg gatttttaggt gctttttaa at agcatgagggc
125221 aaaatttatag tttgtggaaa gaaaattttaa aaagcctatt aatatgaatg ctcataccac
125281 tactgggtat taaaattgca gaagatgtag taatttcact tgctgtttac tcagcaggat
125341 cttccctaac atgttcaaat tctagggata ttaaaaaatt tgtttgaggg ttcagagcaa
125401 atctaagtgt gtctacctct gtcacctatc cttcttcctt cacaccaccc cccccaaaa
125461 cacacagaag agcacagaat ttttttttta cagttaaaa at gaataccaat agctgtttta
125521 gaacagatac ctcacaaagg ggatactcag agagatctga aagaaaatgg gtagagaaat
125581 aatattgtac tttagcttac tgtcactagg atttgtcaga tgactgttat tagtggttgc
125641 cctagatctg ttttgatctg caagctctct tttcctgaat cagtaccctt gaatcactgc
125701 ccagaagctt agcttatagt agcatagttt cctggaagag cttagtgtct tttggtgaca
125761 aagcttactt agtattttat ttgtgtggcg ttgtgttagt tagaggtcac attactactg
125821 ccccatctac tgtagggtgc tgtgctcagc ctttaaacag gtttatctta cttactaaat
125881 actattcatg tgactcttat ttgtattttt cctaataagt ctcactatcc catttaaaac
125941 tctatttcat tgtttgcttt ttcttttttg atcatccttt ccggtattat atctaataa
126001 atatgaaata aaatgacctt tatgattttt aagacttttt ttttgacatt tctagacata
126061 ctttgtcctg ctttacaatt catattcttg agaagactat tcagtgtgca cctacagatg
126121 atatatatg agaattacta aaggaatata cctgctgcag aaaacatgct tttaaattag
126181 atgattatag aatgaaacca caccgatgag aggcctgctt tcattaataa ccttttcctt
126241 catttacaag attctcctga attatttttg aaactatgta cccaatctga ggacacagga
126301 taatggctgc actctttgtg aattcgatac agtcgacttg tctgcagtag atgtaagtgg
126361 aattgattat gtgtgaaatg tagtaataga aagtacattg tcatgaaata ctgtgattta
126421 taggaaaaaa ggcaaattat tttatagttt tgattttatg atagataatg gggatatagt
126481 gttaaaacat gatgattcag ccatttgcta gatttgtgtt tcagaactgt tttttgacag
126541 aaaaaccagc taataattga acctaataga agagtcctgt gggttaatat taatagctta
126601 ctacgattga gtgctcttgt gtttattctg ttagcttagt caaagcattg agaaaaaatc
126661 attacaaggc ttcagcattt ttattgacta attttatctg tgctggattt tcaaagttga
126721 tatgtaaaaa ttaatactac ctgattatat aacaaaacgac tgttttaact tgtttacata
126781 taataactca tttaaacttc acaaaactcc taaaatagg agtacaattg actcagtttt
126841 acagacgaga aaactgaggt gcataaatgt aagtaacgtg ttttaaggga cacaatttta
126901 agtggtggag ttgggatttg aatataggga gtctggctcc agactactgt atgttcttga
126961 cactgtgc at ttttacctgt gtgatgtgta tattctaggc atgttgctac ttgtatgtat
127021 tctatagata gttatatatt atcattcatg ttttgagggt gaacaaagag ttgaaaatat
127081 tcatatttaa tctataaaac atttttatgt atctttgttc taacatcagc cagagctgat
127141 atcttacaac aacattttta ttccaaaaaa ttgctgacat aacatggaag atttatgtta
127201 tgaagcattg attctaggga gttttgtcat taagactgat tttttccttc attcactgta
127261 agttcattga gtatctacag cagccagaaa cgtagaagca atataggcaa aaataaagct
127321 cctaggaata tagtactact aactcctgaa cccatgcaaa tgcaaaaatac ttttactgta
127381 atatgttcaa gtcctgaat taaatagttt ctattcttat cattgtctga aaggagata
127441 aagagttaact tgtgtacatg taggagctta tgaatagagc cctattttatc ttgaaagtta
127501 ggttttgggc cagtctctca gatagcaaac tgtttcctat ttgcaaaaga ttgcagaata
127561 tttctgaatg aagctgcac atgaagatgt ttaaaaaatt atcctgatct ttttttggcg
127621 aaagtagtgt tgtcttctgg agggcgagtt aatacttttt atctgtttcg tttcttttgg
127681 tataaactct ctggtgcaaa gatagaaaaa tttttatatt aacatttttt ctttttgcac
127741 gtaggagtat gtaattta atcttaagctg ttttgtctta cagcttggtta aaatgtgata
127801 gaaaggaaaa ctattcattc cattatgc at aaaaaatta cgtgtatata acagctgttt
127861 ttaaataggg atataaaaaa taaaattgtg taggtagtta aatcccaagc ctatcataat
127921 gtagatgtg ggcataaggc aagtttcttt atatgtaaa atcatagtgt tatctagat
127981 tgggtgtagg aatgttaaat gaaattttac ccacataat atatgaatat acataatcat
128041 tatataaaat atactctatt tgtataaaat taatatacat acacaaaagt gtaajttat
128101 aataaaatgt aactgttata atgtgtgtgt tatataaaac tgaacttagg ttaataaagt
128161 tgatgtagt gattgaaaac cagcacttta ccccaaaaaa tatgtgtttt ggggtacata
128221 aattctctta aattctcatt tctctcatgt catattttggg aaaaataacct ctaaggcttt
128281 tatgtaaaat aaatgaaacg catcatctca ttgataaaag gagagttgtg aactactttt
128341 aaaaattatt tctctattaa attgagaact actggagagt agatattttg tgttctttgt
128401 atttgtttat tcattttaata ataaatatatt gggcaagtga atgaatatat gaagaaatat
128461 gatagtgtac aagggtgact tttatgtgag catatgttat tatacagata atggagtaac
128521 ggtgtaggta cgtgttatga aaaaatggaa gaaggttgct aattcagcac ttaatgtata
128581 aggtattttt aaataattgt aattcttttg tttagacttt aagacatggc ttttagtaaga

FIGURE 1 (continued)

128641 cattataaac aagtcttcca tagatttctg gtcattgacac tgttacatgg gtgtttactt
128701 atgttccctgt cttcccccac tactttgtaag tctttcaagc caggaacttt cattccctttt
128761 gccaaatatt gcccatcttg tggattggaa tgtataatgg ctatttcaga attgtttgtg
128821 caattaatga aggataaact ccacacccaa acatatctaa agagaactta agaaaatata
128881 ttaaaatata tacattaaga taagatatat taacattaat gaaagaaaat agctctcctt
128941 atacataata taataatgaa aggaaataaa aggataaagt ctcagggtctc ccatgattgc
129001 tttttatgtg ctcaaaatta agccctgaac ttttaagccga ggaaacaaaa agagaaacac
129061 aattagtatt tggtttctta gacgaaactt tcaaaatagc tttcagatgt gaagaagttt
129121 ctgcaagggc tatttttaaag gaagcactga ctagtagtgt aggcagtacc atgaattaca
129181 ttcattgtaat aaataggata atttcattctt taaacctaac tcataacca gatgggattc
129241 agtaaaatca ctttgattgg gggggccaca aaaatttgtt tcaagtgtta gagaaactgc
129301 atggagcaat tcaaatttag cagattatgt tgaattgata ttctagtatt ttttatgtca
129361 tgctgattaa catttgaata aaatttaaaa caaaaccata ctaatgataa ttttattttt
129421 atgtttggtg taaaacaaag gtccatccaa acgtatcaat aggtgttttt attgagcaac
129481 caaccccttt tctacctcgg tttctggaca tattgttgac actggattac caaaaagaag
129541 cacttaaact ttttattcat aacaaagtaa gtatttgaga aatgaatatt ttatgtcaaa
129601 actatttttg gtcttttttg gaactatttg ttattttatgt caaataaaat tcattggggt
129661 aagtttcagt gaggattttt ggagtaatta cagccctgcc tttttaggac ctaaggattt
129721 tagattctag agactagcac cacaatattg atatgagcca catgaaactg ccagtttctg
129781 tagatcaaaa atggctgaat attagccatc atcatatagc tttaaattaat atataatcaa
129841 ggagattcaa agggccttaa atccctttgc ctttgggtta gttctggtag tttcttctat
129901 agaattgggtc attaaattgt ttgtgattta agacaataac atataagaac ttgaaacagt
129961 tccagatag agtactgttt tgattaatta cacaagggca tgccattccc caaaggattt
130021 tgatactgtc attttcttca aaaatatcca gagcccccta catacctctt acatattatc
130081 caaacttgaa aatatttttc ctcagttatt ttacagttat ttcttgccta ctaaaaccac
130141 tggattttta cattgtctag aaaaactcaa tagctgtgaa gtgtgcgatt ttctctcttc
130201 tgtcctaata ctgtttgttt accattgttc ctttttctta atgtaaatgt cagctaacca
130261 ttcacattgt ccagagaata ttttaactgc agaaaactag cttaaatgga tttaaatgg
130321 tgaaaaattg agcatttgct ttgtaaaata tgttgtaata tatatacttt cactaaagta
130381 ttttggtttt atgtattgtc ttttgttttt attttccctg ctttcatggg gccttaaaat
130441 ccttgatggc ggacgttttt gtcttatctt tggttattta gtattaaact tatgttgctt
130501 tttatgtgaa agttatttta aaaacttgca aaagcaaca gcttttgcga aaacttagag
130561 acttgacaaa taaaaatctc tgaaatgttc taatgatgga gacagataat cttacctgaa
130621 ttttagcaca gtcgaatcac actaaaattg gtaaccttta tgttgatggg tttccatta
130681 atctgtccat agaattttgt taaatttttc ctttttttgt taagtaaaat ttttttata
130741 atgaccattt attttactct ctggtttcaa agggattttt gtaaaatgtg attattttaag
130801 tttataactc agattgatgg ctattatgtc tagtagacat tttttctaga tatttcacaa
130861 catatactca agatttctag gctacaggcc gtgtttttct tctccagttg gaaacatttt
130921 atattactaa gyattttaagt atttatgcaa acacctatta aagatttttg taattatata
130981 aagacttgct tagcagtaga tattgacaga attttgaagc atcttctctc taagaataat
131041 gatataatg tatttaagat tattcatgtg acattttaagt gatattttaa tataccgtgt
131101 ttaatatggg tattattttt tatgtaattg aatatctgaa ttgtagaatt catgaccttg
131161 aatgtggaagc actctctaat atgaatactt cagtcattctg attgtcttat tctotaattt
131221 ttgatcttta aaatatgtta caggaagttt atcatgaaaa ggacatcaag gtattttttg
131281 ataaagctaa gcatgaaatc aaaactataa aaatagtagg accagaagaa aatctaaagt
131341 aagcgggaagc cagaaaacatg gjaatgtatg ttttaataaa ttaaaattaa attaaattat
131401 tttacttaag aaacgttaag aaaaaataaa ctttttaaat aaaattgtta tgcataattt
131461 ggggtgtcca aactatttgt ttggttatgc agtagcbaac ttagaactgtg ttatgtttt
131521 taagtattta taataaaagg gctgtagaag ttacttatgt tttctcttta atgggtacga
131581 gtccacatat ttaatcaaat gatgaatcaa ggtaagatca atttttttta aatgcagata
131641 aatgaatagt atgaacttca tagcagtgcac ttaaaattaa atgtacactc tgaagggtgt
131701 ggtgtgttaa agtgtgttta ttttagactgt gggggaaaaca ggtgtcttta ctctccagt
131761 agtcaactgag ctagataata ctgtaatccc aagaaaacggg cattgttaggc cttttgttta
131821 tgcctgttaa tgccttcttc tactaataaa actctagtaa tagtaaaaaa atactgtgat
131881 tcaatgaata ttaattgaat atgccaggaa ctgtgttaag agtaggtgat aaaaaggtga
131941 agacatgac cattctcacc aggaataaat cttatctact acgaaccttc atgctgtgac
132001 tgcagaagct gaggctccag agggatggat tctgactaga ttaggggtct agggatagac
132061 agaaaagagg cctctgaaaa accaaactga tgttattact aatgattcca taatttattc

FIGURE 1 (continued)

132121 attggagaat cctctgggtc cacattcaga acatatatttc tttaatatatt ttcattgattg
132181 tacctagtgc ttctgtctgg tattttggtt gatagttgct tcgaacaaat atgggtgtgga
132241 gacacacact gacaacagca aaaagtgtctg actgggaccg acagttaggg aggggagccc
132301 agaggggaagt tgataaccca aatgtcatct ggatctctcca gttgttcatt cttgatatt
132361 gctgatgata atgtttacaaa ctgtaccagg gaaagcaaac atagtcactg cccctggtaa
132421 gaaggcaggg gaataactat cttagaaaaat ttgatgaaaa tcaagtttgt aaaatatttaa
132481 tacctgaaaa gtcataact tacatctcca acattcattt aaaactgagt tgtgggatat
132541 gtaagttgca tttgtgtgca tgtgtatgta tgtatgtatg tatgcagaaa cattttgatt
132601 tgtggatgtt ttatgcctta aaatattttac tggcttgaaa atatatttta actggcttaa
132661 aattttagag gtgagctccc tgtgaatata cgtgttaaat tgaccatttt gaaatttaag
132721 acaatatata tatcgtttca gatattgttc cactattttg atcagaaaag tatgctagag
132781 aacctatatt tacataaaa gatatatata ttaacatttt tcagtcagca gatattttatt
132841 ttatgtcatg cccatttcat tttctttttc actgttaggg acttttgccg tcaggatgaa
132901 aagtgtgatt attacttttag tgtggatgca gatgttgttt tgacaaatcc aaggacttta
132961 aaaatttttg tttgaacaaaa caggtacttt ctaaaattcg atatcaattt attgttaaaa
133021 tgattatttt tcatattgat gtgaacatac tgtagtaatt gtgtattttag taaattgagg
133081 gaacttagtt atgttctaca gctaataaac tttcaattca agttaattat ttttcattta
133141 aaggagtcatt agaaaaaca ctgaatacat ctggaattat ttaattattg ttataatcac
133201 aaatacagtt acttgcccca tttttctgtt taaagctagg tgaaattatg atacatctga
133261 tactaaaatt tagagttgtt ttatttctta tagatatttt taaagtagaa tttcacaaaa
133321 cttctgacca agatagttat tgcatacaga gttgtagtcc ttagtatcag aaggaaaatt
133381 cagaggtaca aatcatccca cagtcatatg tgtagcttta tttactgttg aactagttat
133441 cacttcacag tgtctgtttg ctcatttaac tcaattgaaa tgggaaaaag acaccatgta
133501 tatcagctta caatgatact aagtttgttt gtcaatacta ctgctaatac taataatacc
133561 atttttacta ctctgtctaa gacctcacct ttaacaagtg cttattaagt gccaggatt
133621 gttgtaagta catgtattaa cacaatttatt ttcataata aatagaattg ttacgagggtg
133681 aaatggttaga atgattgttt ttattttgtt aagtaagata catgggaaat gtatgtgct
133741 ttattaaccc accctatata taatatctat ctatatafat atatcactag aatttgtaaa
133801 ttgagaatt tagttcttac ttcaaaaatc taagacctct ctgtagcaac ctgtatatac
133861 agcccaactg tatagctgtg ttatagatac tcagtatcta agttaactat ctatatacat
133921 cgtaggtaat ttccaaaagc atatgaatga ggttttgatc atttggaag gaaaagcagt
133981 tgtgacaccc tagagatatg aaatagtgtg tgatttgtaa ctcttaaaac ctagtttaat
134041 tcagtatcat tttcttgaat ttgtctgttt tctcttaaat ttgattgaaa tgctatagt
134101 tgtaatgccc atatgctttt taataattag atattttcat tttatgacta taatttatat
134161 atttattaat tattctctta gtgaactatt taatgaattt acactatgta tttgacatar
134221 atccctctta atattaaaca ttttaaactc tctaaaagaa aaaaaattcc cggccgggtg
134281 tgggtggctca cgcctgtaat cccagcactt tgggaggcca aggtgggtgg atcacgaggt
134341 caggagatcg agatcatcct ggctaacaca gtgaaacgcc atctctacta aaaatacaaa
134401 aaattagccg ggcgtggtag cgggcacgtg tagtcccagc tactcgggaa gctgaggcag
134461 gagaattggt tgaacccagg aggtggagct ggcatgagc caagattgag ccactgact
134521 ctgacctgtg cgacacagcg agactccgtc tcaaaaaaaaa aaaaaaaaaa aaaaajaaaa
134581 gaactacctg ccactctggg ccttggcccc ttaaaagatg aaactcaggc tgtgtctca
134641 tggaaattct ttagttaatc aaaggtttag gtttatgtaa tacctatggt tcttgcctct
134701 gtatctagac atgtgttttc tatagcttat tgacatatgc caggaatgtt gcaagattta
134761 ttagattgga ctgaagagta gagaaagaga tttagacac attggggcatt tggcttttta
134821 cctctctcact agctctcttt tctctctctc tctctctctc tctctctctc tctctctctc
134881 aaattttact ccttaaaattg tataataata tgaatcattt ctcagctgac atctctctc
134941 tttttattca aaaaaacattg aggtatacag cagatgaaat tgggtttccc aaatttttt
135001 gtttaaaact tttcaggagg cagctgggat taaaaattac aagttttttt taattttttt
135061 gtttgatatt catattgaat tttttcccaa atcaatgtat gtagatttta attcttttta
135121 ttattttccag tattgttaggt attcaaaaaca aaacaaaaaa tgtgtttctg atttaattgt
135181 tagtaggaat tgggaagaat aaacaaaaat ttattatttt gcattgattg tacttttttt
135241 tttttattta tttttttgag atggagtctt gctctgtctg ccaggctgga gtgcagttgt
135301 atgatttttg ctcaactgaa cctccgcttc ccgggtttca gogattctct tgtgtcagcc
135361 ttttgattag ctgggattat aggtgcgtgc caccatgctt ggctaaactt ttttggtatt
135421 attagtagag atgggatttc accatggttg tcaggctggt ctcaaaactc tgaactgtgt
135481 atctgctcgc ctggtctctc caaagtgtgt ggattacagg catgagccac tggcctgggt
135541 cagatgtgtg tttatttatt taacttttgt gcattgtaata gaaagggccc ggcctgtctt

FIGURE 1 (continued)

135601 cacaagatag aggtgaaata ggttttcttt ttccatataa agaatagttg ttccataaat
135661 ttgcttttcta aaatagtttaa agggaaagtcc agtgtttgcc ggactagctt actgtaatca
135721 caagtcatttt tttaaagtca tggaaaactcg gaaacatact taagtaattt gagacttaat
135781 tacaggaaaag ctttgcctgt ttacaaacat ctcagttcat cttcattcat tttttacaaa
135841 ttcaacaaaat attcattgaa tatcttaaat gcaccagggg ctggtgttca cccagtgaca
135901 atgaaaatat ttggtttcat ttaatatagg ttccgaaata ctttagttaa acttaaatat
135961 aattaaataa cttaaagtagt ttccctctgt tggatgtaag caaggcattt ttaaaagtca
136021 tttttatgta ttcattagca ttttcaatta ctttttcctt ctttggtact ctttttaaga
136081 aatatgattg aaaattagca atatacttac ttaagaaaag atgttgggaa agaagatcct
136141 tatttttattt ttattaacta caggttttgt gaatgagctt tcttgtgta tatgtcatat
136201 taagcccaaaa atacataatt ctgttggtta ttaaaaaata ataattatat aggtttctct
136261 ctctcacaca cactctctct gtcttttaga agatcattgc tctcttgta actcgctag
136321 gaaagctgtg gtccaatttc tggggagcat tgagtcctga tggatactat gcacgatctg
136381 aagattatgt ggatattgtt caagggaata gagtgttaagt tacttgggtt aatattttta
136441 tgtgaaatac cataatctaa agatgtagtc ttgttagtat tacttgaaat tttttttgca
136501 ttcatctctt ttctttatag ttaatgggaa tttgagaacc caagaccact tggaaatcctg
136561 aaataactgt ataaaaactaa tatcttaaaa aaatgttttt aaagtcccaa atcttcaaag
136621 gaacaagctc attgctgtgg ggaataactaa gagataatat atgtttacca tactcacatt
136681 atgggttgata gaagagtaat actctttatt taaaagcttg gaaaggggat ttagtttact
136741 aacttttttaa tgggtataat taagggttgt tttgatagg tttaaaattt ataattaaag
136801 caacagtaac actaacagcc agaacattcc agtattcctg attgcatgag tttttttgtg
136861 tgaatatagc attattctgc tttaaatata agtttttttt accaatatta gatttttact
136921 tctagagatt gaaaagaata tatttgcctg aaagtgtgtg catgatttat atttatttca
136981 gagacaatgg ttgattacta aaaataatca caattgaaat agttttgtca aggtaatat
137041 ggagaaggaat gtcattcttt ttttcataca tatgatggac cagagtgcac aagacattac
137101 atgctttgcc ttagttctca aacatgtcag cctgattaaa aaggggcagt atactctcag
137161 gactaaaagg atgtgccctt acatttagaa aaaaaaaggc acacgtttct gttcaaacag
137221 ttgagtggta aaaagatgtg ttgcttggg aaatagtaat tgggtgtggaa agcttcaatc
137281 tgaatgatgt aaatacaata aaggtttttg ttagctgcaa ttaaaatgca cagtggagga
137341 gaaaagacta ttaagatcgt attctgttgt ttctgtgcag ttgtattgac tctgggtgag
137401 ttgtatagac aatatacctg attgtatctt tgggcacatc acaaatgagg gtttgtgaaa
137461 gtagaatgga aaatttgggt caagttgctt taggcattgg tgattttctg tccaacctcc
137521 gtctattctt gtctaaagta taaggtaaaa aatatggcag aagcttttga tctggaatac
137581 acttcatgtc caaaagctac acgaaggagc aactgtgtgt gtgtgtgtat gtgtgtgtgt
137641 ataagttgaa acactgaata attccccaga gattaatttc tgaatttagc tgacacgttg
137701 tatacagtaa tcccccttta tctatggttt tgctttccat ggtttcaagt ctactgtgga
137761 ttgaaaatac gaagatatgt tgagatagag aaagtgtaaa catctcatgt acttttatta
137821 cagcatattg ttatagttgt tctattattg tactgtactt tatgtataaa
137881 ttaaaactta ttataagtat atatgtgtag gaaaaaacgt agtgtatgtg tagcgtttgt
137941 tactatctgc tttcaagcat ccactggggc catggaatgt atcacctcca taaaagggg
138001 ggactgtgtg actccttaag gcatttttct ttgaggctag tctagtaaga cataatatca
138061 tatttccgtt aatatctaac tgcatttctt ggtcaagatc ttgctttgat gttctotaaa
138121 agaaaggcgc acagtcttag gggcaaaaact tgttttgcat tttttatgaa atcagtcatt
138181 ttocagagtg gaatatagat gtgggaaaagg atgcaacgtt catgtgctcc cagctgtatt
138241 ttttcattgt tttcttttct taaaaaatat ttaagatggc ttaatgaatg gtaagagaa
138301 ataattttgg agaattttag gctatattca gtgtattttt ggtaaatgtg taacaaatg
138361 ttttggagg tggaggattc cctgatctaa agtgccttgc catttggctg ggttaaaat
138421 ttttaccatg gctgatttca agtttccaat gtgaaattac tgaacatgga tttgttcat
138481 aaagttaact ttggggagcc agtatgagct ggttctagt gacacatggt ttttatgt
138541 gatccatgct atcaaatctt ttaattttta atagaaacac cgtctataca atagatatt
138601 atagtctaat tgaacaaact gattgagata tcatagctat aatacaaatg ccaaaacagat
138661 atcaaacocaa aattgaaatg tatccaaagg ggcagtggt tatctcctaa atctcattaa
138721 atatatgtta tacaatgtaa ttttatatat atctcattga atatatattg atgttgatt
138781 aataaatttat gtatacaaaa tttaaacaca aagcatttat tttaaaaagg taanaattgaa
138841 acttaaaaatt gtttgrattt gtggatatata agaattgctt ctttttactt tcagaggagt
138901 atggaaatgt ccatatatgg ctaatgtgta cttaattaaa ggaaagacac tccgatcaga
138961 gatgaatgaa aggaactatt ttgttctgtg taaaactggat cttgatattg ctttttggcg
139021 aaatgttaga gaaatggtaa gatattgagt gatgggttgc ttgaatgttc ttaaaatg

FIGURE 1 (continued)

139081 gcttgctttaa ccagttgggtg tgtcactgtg ttttgatgcc ctttgtcttg ctaattttgta
139141 agtactagcc aatttttttgg gttctgtggt aaaaaatttg ggagtaattt tggagataat
139201 ttaacatttta cttatagaaa tggtagaaa aatgtagtt tttgtgctcg ggctaattca
139261 taggcaaccg agttggattt cagtaataaa gatgtatttg ttacaaatca gctttgctct
139321 ttraagaata catctttaat ttgaaattct atagtgaata cttgacctaa ttaaaaattaa
139381 ttagataagc ttcgatgaaa caatatttcc agatttaaga atatttttgt tctaaaatta
139441 atgtccacat tttctctaac taggtaaaat tttaaaatta ttattaaact cacattctta
139501 gaaagcagga ttattaccac caaactagta gaagtgttga gatacatagt gtattttactc
139561 taaataaaaat actaatgata ccttgctgca ctacaaatgt acttttatta taaaacttaa
139621 aatgactaga aaataatttt tcaaaatgca taaacatggc ttagaatata ttgatatgat
139681 ttttgggtttt agaaatgatg gggctatttt attccgatt tccaaattta tataagcaat
139741 tgtgatttga tgaaaagtca gaaaagtgtg caagtatttt tttcttagtt taacaaagca
139801 tgtattgttt gaatatgttt gttttctcta caaacctgtg tgcattatta ttgaatatcc
139861 tcagtacttg tgatagtatt ttgtgctcat gtttggctaa tttgactcaa cagcgcatca
139921 tggaaatggcc tctcttactc attttttccg ttgtcttatg tgtctaataa aagttctgct
139981 aaggaatgag cttagactta tgtttgacct caccacacct cccaaaaaga aaagaaaaga
140041 agggctgaaa gagctggaga tgtttctttg tgtgtgctat aagctttgct tgttctgcat
140101 gttgtctatg aaggacattt cagaatgtta gcttttgatc aacagctgct attattttta
140161 tttaccaaag aatacctgag agagcgggtg tacagggtcaa cttaccacat gcttctcttc
140221 attttagact ttacaaaggg aaaaagactc cctactccg gaaacattcc aaatgtctag
140281 ccccccaaag gtgttatttt tacttatttt atttattttt gtttatttaa tatttgatat
140341 agtatatttg ctagtagtaa agtttcttta agggccttat ttgcatttag cttggtaaaa
140401 tgttgatttt catcagtcac ctgtgtgttt gcgtgttttg tgtgacttgg gcatgggtct
140461 tgtgtgatag tcaactcttg gttcttttag ctgatttata ttttatggct gacaggtgac
140521 aaagttaaac caaagtcctc ttacttcttt ttttaggttt ttatttcttt ttaaaggagag
140581 agaagagggg agaagttagt ataaaaatga atttgattac agtaagggtt aggtgcacct
140641 tattgagtta ttaatcacta actctttttac tattaaaaaca ggtccaaaaa gaaacacatt
140701 acctagtggg gtttgccaca tttgtctggg ttggggcaag aatatgagac tgggtttctt
140761 tatctgcctt tataatgtat gactcatttg cgtgttagcc tttaaacatt agaaaaagaa
140821 aggaatgaaa cagactgggtg aatatataact ggcagtgaat tcttgattaa aaatgtgatg
140881 ctttcttttg aagagaaaaga agccaaaaga ggtataattc attgcactgt gtctcaaaaa
140941 tatttctgct ttcaaacagg aatttttttc ccgatgtcta catctaggat caatgagaaa
141001 gggacaaaaa cagtcacattc ttcttttttt cagttgagtg tcagtgtcat ctactagttt
141061 tgtgtgggtg ctgaattcat aatcaaaatt tgagtttttt attttaaaact atgcacattt
141121 tatatgaata ctaaaaatgc atgttcataa atgaaatata aagatagaaa ttaatatctt
141181 ctatatattt ttcttatgat taaatttact tttgtacctt cctctaagat taatactgtt
141241 attttctggc atataggggtg tatttatgta catttctaatt agacatgaat ttgggaaggt
141301 attatccact gctaattaca atacttccca ttataacaa: gaactctggc agatttttga
141361 aaatcctgtg gtatgtattt catactcaac ttattatttt ttctataact gtaagtggtt
141421 ataaatcagt tgggttaataa tatgaaatgt ggttagaggc ttttttaaaa gacataaggt
141481 gaaatgcaca tcaaaaccac aatgagatac tgtctcacac cagtcagaat ggtattttt
141541 aaaaagtcaa aaacaacaga tatgggtgag gctacggaga aaagggaatg cttgtaaggt
141601 gttgggtcgg atgaatttgg aaagcagttt gaagatttct caaagatctt aaaaacagagc
141661 taccatttga cccagcaatt ccattactgg gtatatagcc aaaagaaagt aagtcatttg
141721 accaaaaaca cacatgaacc tgtatctgtt cgttcagca ctatttcacag tagcaattgac
141781 atggacttaa actagggtgtt catcaatggt ggaattggata aagaaaaagt tttaataata
141841 caccatagaa tactatacag ccataaaaaa gaacaattat angtcatttt cagcaacatg
141901 gagagaaatg gaggcattta ccttaagtga actaatggca aggtattttt cagaaaaaca
141961 gttctcactt atgagtgga gctaaacatt gggtaactgt gaacataaaat atagggaattg
142021 tagacccctgg ggaatcactag aggagtggag gagttagggag ggggacaagg gttgaaaaat
142081 caactaatgg gtaactgtgtt caactacctg gtgatgggat cagtcataac cttaaaattta
142141 gcatcatgca ttatacactt gtaacaaaacc tgcacatata ctccctgaat ccaaaaagctg
142201 aaattgtttt taaaaagtaa ataaaaagaa aaaaaattaaa acgacataat caattgtatt
142261 tcatgatcta tagagttag ataaacttga ccaataaact gtttttatta agacacttat
142321 tagctttggg gaagggaatt atcaatttgt tctctttcaa ttttctttaa ttttggttt
142381 gtgtattcaa aagcaaccac cagctttaat cacaatttta gaaacatgtt taaaaatagt
142441 tcaatattta taatagtctg atttctttag agaaaaattca aaaagttttg tttaggaaaa
142501 tacaattttt aaaaattatt tttagaaatt ttgtgaatgt acatcaaaaga tagccagaga

FIGURE 1 (continued)

142561 gaattgcaga gaaagctgat tgattcagca tatggagtct taacttgaag aaacaatttc
142621 cttttaaaat ctgttttctt cttctttttt tttttttttt ttttacagat ttgagtggta
142681 cagtaattag ctccttttgt gttttacagg gacatctttt tgtaggcaa gtggcacact
142741 tattcaaggg aaaatgctgt cttcaacaat caaacctgta acactgctgt aatgattttc
142801 cccttgccaa tagtaaaagt tttaaattgc agactcaatc cacctgatga gaattgtcct
142861 ttatttttga ggaatagttg agatatgggg atagtaaatg tagtagctc tgaattattc
142921 gaataggaaa atattatctt ttgacatttt gttattttta aagtactttt gtccattttt
142981 aaccacatac cttcctcttt cacagaaata aagctgaaaa gaggtgtttt ctagtctgtg
143041 gggtagaatt ccatatttca cttcaccatt gaatctcttg gtgtcttgag ggatagaatt
143101 atttgatttc ttgggtgaca ttaggttcct ggtagatat cctgaattat atcctgaatt
143161 gtagatatatt gtgtaagaat tcaagtcttt ggaaagtaag caatgaaaa atcagaactg
143221 agtaggaaca agttttcttt ccattggctt ctttgttaaa gcagcctgat taatatgcct
143281 agtgaaggat acccatagc aaaaatgctt ttgattatcc cattatcaga atttctaaga
143341 aattaataaa gtcacagttt gctcaattgt ttgaaagggt atctaaaatg aattgtgaat
143401 actaatgccc taaaataaaa tcttagggga tttttttttt tactttaact tgaagaaaaa
143461 tcagtattga tgcacaggaa aaatgctata ggtaaaagtt cttaaatctt atggatgatt
143521 attcaatttc ttgccacatt ttagaatcag aaagctaatt aatattagag ggaataatga
143581 gataatatag aaatctgac catatatact atataaacat gaaatttatt aaaattttga
143641 agataccttt gtttctctca cataaaaaat gtttgagtta catataaaca gatatgcaaa
143701 accagtgaac taaattatgg tataaatatt cagcccttaa aatctagcct caaaagatgt
143761 atttaaggca aatatctttt aaaaactctt ttgattggaa ttattttgag tctgtgtctc
143821 acttctctcc tgctggctct ctgtatttgc actttgtaaa gagaaaaata ataatttcta
143881 gaaatattct aaatttcaga agatatcttt ttggatatatt atattactcc atgtattaat
143941 aatatttttag taaatatcca tatttgaata aagaacttgt cccaataaaa taattcttta
144001 gcttttggtg aaaaaagtgt agatatcttt gtgtgtggat tttatgccag agattggta
144061 aaaagaatca aattcatgga ttagaataaaa gagaaaccat tttttaatat agagccctaa
144121 cctttaattt tagtaactga aagaagtga agtgctagta aactcatgat tattccttga
144181 taaatattaa taactgaagt gaaggcagaa attttaaaaa ctcattttaa aaatcaaat
144241 tagagtaatt tactatagac atataagaca gaccctagtt aattagttca ctaattcatt
144301 tttaaaaata cttgttggtg gaattttgct ccttgtcttt tacctttaag cacaccttta
144361 ttacactact ctgtgtatat attaaaatac tgatggctcc caacttacgg tggctttact
144421 taggaatttt cagctttatg ttggatttat cggggtactg tgtgttttta acctcccacg
144481 ggtttatttg gacataaccc catcgtgagt caaggagcat ctgtaaaatg tgtaaatcta
144541 ttactgttaa gattacttaa gttttaaaa cctgaggtac aatatttcat aaataaaaaa
144601 ttctgtattc atagaatgac attaaacat ctagaaccag gcaaagatta ggctatatac
144661 tgtgatttct gaaaattact attttgtcca ctatacataa tcatttataa ttgtaataat
144721 ttctaaaatg catatgcttt atacttttca gtgaagtatt tataaagata ttgttttaa
144781 tatgtacttc tttttatagg actggaagga aaagtatata aaccgtgatt attcaagat
144841 ttctactgaa aatatagttg aacaggtttg tattaatgat taaaaagtat agaaaatttt
144901 gctgttattt tccagaagaa atattatttaa tactactttc acagaagatg tgaaggtgga
144961 gaaactacct tttaggtaaa atttatttga ttcaattact gattaaatag cattaaaggaa
145021 catacagttg taaaatgtag aacatagaaa ttaacatttt aaaagcatgc ctttttaaaa
145081 agcatgctcc tatgtgtcat agctttctga aaccactaaa aatagaaact gttgacajat
145141 ctctgatgta gaactcttgc agtgaaaagc tatcttttga agaaactggg ctgtctttct
145201 ggaagagtct ttctcagag acatctttga aacatgaatt ctcttttagc ttagtgttta
145261 aaactatttg taatacctaa tttttgagaa tgtaagatgt catcaattct gaggtgcaat
145321 attatttatg taccatgaga aaaaaaatat tgtcaataaa ccatgacaga aaactatggt
145381 tcttagtcat acaggattct ttatttttaca catattaaaa taactatttt agattattaa
145441 gacacagaag ttattatgct ttotaacgat gatgcataat ttatagccct gtccagatgt
145501 cttttggttc cccatatttt ctgaaaaaagc ctggtatgaa ttggtagaag aaattgaaaca
145561 ttacggcaaaa tgggtctggg gaaaacatca tgttaagtgt aatttcacac taagaatttaa
145621 aatgtatgtg ggggttaagt agatactcag agaattcgga ggggttatat acctttctct
145681 atatgtctct gagttctaga cttagataaaa ttggctagcc aaggctctga ttctagtcta
145741 cttctccac caaccaattt ttttaacact taagtaattt cattagtttg ggcgggtttc
145801 tcaatttatg atgtaattac actggatggt ccctaagggc cgatgtctct aggcagagt
145861 ttgttaggta acacatgtct ttacagagtg atgtcactct ttccaaagge cactttttat
145921 ccttgoggt ttacagtgat gctgtgtgga aaatttctaag gcaaatgtta ttgtgtctgt
145981 aaaaactggt ttgtgtgtaa agataggaag gagggatctg agtgccctag ggttaattta

FIGURE 1 (continued)

146041 gttttgcatt tgcattcagt gtcaaagact tggcaggaaa tactactgcc agtgggttaga
146101 tgtgtttctt' tccctctgag aacagacatg ccatttttagc agaatactct ggaatattac
146161 tgcctctgca cggttatgtc ccccaggtaa tgagctgata agggagaggg aagcttaaag
146221 tataaggaag aacttaagtt agtgggtgat gaaataatga aaagcaatca ttcaaaaact
146281 tttgagtgtt acaaatagaa gtgaggaagg gcggggaaaag cttgttttta gtgtttggta
146341 atacagacag cagatatgct aagtgtatgc tcatcaagca gctgagactg cctaagggtt
146401 cactgtaaaa aaagactcat ttttaagaaa ggatgtgagg gcttaggaag gctattttat
146461 ttactttata gctaaacttc acatatacat ttaagaagta ggaaaggagt ctactgacct
146521 tacattactt tgtttcgtca ttgtatcatt gacaaagctg ttacctaaagt tatttttgata
146581 attttacagt taaagcagat gatataccac attggaacaa ctgttatttt tattgtctat
146641 tatgatctgt ggttgaaaaa aaatactata atataaatgg gaattgcacg tggagtacag
146701 cttattatgt cattaatggt gtttctagga tagccgtata tctgggtggt atgaaaatgt
146761 cccaactgat gatataccaca tgaagcaagt tgatctggag aatgtatggc ttcattttat
146821 ccgggagttc attgcaccag ttacactgaa ggcttttgca ggctattata cgaaggtagt
146881 tatcctctca cccctccagc ctattttctta cccattttta cacagggtgt ctttttaatg
146941 tttttattaa taagcaaact cactggctta ctttgctttt tcagggattt gcactactga
147001 attttgtagt aaaatactcc cctgaacgac agcgttctct tctgctcat catgatgctt
147061 ctacattttac cataaacatt gcacttaata acgtgggaga agactttcag gtaattatga
147121 ctcttgtgtt tttagatttt tcaaaagaaa tatatcatta tgaaaaggac tttgccttag
147181 gccttagttt cttttttaa ttttgcctaa atgacataat ttgaattttg ccactgggtt
147241 aatataatct gatgtatttt ttcattttta ctttttttag gagggtggtt caaattttct
147301 aggtacaatt gctctattga gtcaccacga aaaggctgga gcttcacgca gcttcagaga
147361 ctacacacatt tgcatgaagg acttctctgtt aaaaatggaa caagatacat tgcagtgtca
147421 tttatagatc cctaagttat ttacttttca ttgaattgaa atttattttg gatgaatgac
147481 tggcatgaac acgtctttga agttgtggct gagaagatga gaggaatatt taaataacat
147541 caacagaaca acttcacttt gggccaaaca tttgaaaaac tttttataaa aaattgtttg
147601 atattttcta atgtctgctc tgagccttaa aacacagatt gaagaagaaa agaaagaaaa
147661 aacttaataa tttattttct tgcctttgtt cctctgagaa taatgacaat ttatgaattt
147721 gtgtttcaaa ttgataaaat atttaggtac aaataacaag actaataata ttttcttatt
147781 taaaaaaagc atgggaagat ttttatttat caaaatatag aggaaatgta gacaaaatgg
147841 atataaatga aaattaccat gttgtaaaac cttgaaaatc agatttctaac tggatttgta
147901 tgcaactaag tatttttctg aacacctatg caggtcttat ttacagtagt tactaaggga
147961 acacacaaag aattacacaa cgttttctct aagaaaatgg tacaaaacac aaccgaggag
148021 cgtatacagt tgaaaacatt tttgttttga ttggaaggca gattatttta tattagttat
148081 aaaaatacaa cctatgttt ctttcagatg aatcttccaa agtggattat attagcagg
148141 tattagattt aggaaaacct ttccatttct taaagtatta tcaagtgtca agatcagcaa
148201 gtgtccttaa gtcaaacagg ttttttttgt tgttgttttt gctttgtttc cttttttaga
148261 aagttctaga aaataggaaa acgaaaaatt tcattgagat gagtatgca ttttaattat
148321 ttttaaaaaa ctttttaagt acttgaattt tatatcagga aaacaaagt gttgagcctt
148381 gctttctcag ttttgccctt tgtctcgtct cttattcttt ttttgggggg aggggttat
148441 gcttttttat cttctgtgga taatttccat tttattcttc tgagtgtcta tgttaacctt
148501 cctctatccc gcttataaaa aaatttctca ctaaaaaaac ttgttgactt gatgttttat
148561 cactctctca agtaagggtt aaatatctct attgtagcta ctgtttttaa tgtaaaaggt
148621 aaacttgaaa agaaaattct aatcacgggt ccaaaaattca ttttttaaca ccatgtgtta
148681 gaaaattata aaaaataaaa taattctaga aagtgttgtt gttctattat tgggtgttat
148741 cttccaaact gaatacatga tggaaattgt tgaaggaatg aagcctttga ttttttat
148801 tggtagtagt atttaattgat atacgaaact attgaattat aaatgaaatt acaaaaatt
148861 aaattcttag atgactaggg attcgatcta acttgttttc caagttagaa aatagaaatt
148921 aaatgtttat caatatagg ttatttctct attaatattt tctgggtctc tattatgggt
148981 caggaactgt tccaggccac aaggatatgt tgatgaagaa gacattatag tcaatgttag
149041 atggaactaa aaagataagg aagttgggtt tactctgtgt cttctctttg gtagacacta
149101 atacccaaag aaaattctct ctatccatca actaggataa ggagacattt tagtaattgat
149161 tgggaactaa tgttaactgt catcaggaat ggttttcaaa atatgtaaca cctgggtatg
149221 tgnagatgac aactcatcgg aacagactct ggttataaaa gcagatcggg tctgtctctac
149281 tagtgaagc cagcttaata tctcttgtgg tacagttaa agacatctcc caggaactag
149341 tctattctca ttttgggtat catgggtggg tacttagcat aactatttca gttctatgac
149401 atgtttttag aaatggggtc caggttagct attgagcaca gttttttgt ctttctctct
149461 atctatcatt ccatgaaata atataaaatg tagcttttaa aagatgattt ataatctatg

FIGURE 1 (continued)

```

149521 agagaaaatt agaaaaattc ccataagtag attaaaaaat ttgaaaaacg gaaaacgagt
149531 agaattggaa ggatggagaa aaatacacagc tgaaacacac agagcagaag atacagaaaag
149641 tacatctatt gtttgattca ttcatTTTTat gcaatataat aaaggctttt taaaaaaaat
149701 acacacacac acccatatat ataaacaatt atccccctgaa taatatgggc gtttagaggca
149761 ctgatcccca tgcagtcgaa aatccacatg taccttttga ctccctcaac acctatcaac
149821 taataaccta ctgttgactg gaagcctcac tgataacata aacagctgat gaacatttat
149881 tttatatgtt atatgcatta tacactgtat tgttacaata agctagagaa aacgttattt
149941 aaaaaattat aaagaaagat aaaatatatt tactattcat taagtggag tggatcatca
150001 taaagggtttt catccttggt gtcttcgcgc tgagtaggct gagaaggag ggaagagga
150061 aggggtgtctc aggggtggca gagacagaaa aaaccggcat acacatgagc ccgcgtagtt
150121 taagcacatg tagtccaagg gcttatttgt tatctgcaac aatcagatat ctctgacaga
150181 tgaactcgat aaagtcacac tattttagagt atgataccat ttatgttaaa acaaaaatac
150241 tatatatgtg tgcataaaacc tacagaaaat ttcttagaga ggaacaactc tggagagtgg
150301 tatgagatca cggaggagta aataggattt atgcctttta cgtttttacac ttgtgttttt
150361 gaaatattat agaaatatat ttgtatatatt attgttttaa gaaaaaaaga ctagaaggaa
150421 aaggagacat tcacgtaact aatttgaaata aatggaagca tatggatgtc aatagtaacc
150481 gtgtgtgtgt gcgcgtgtgt gtgtatgtgt atacatacat taccaagggtg ctttaaatgc
150541 tcaccgtggt agaatttttt ctaattctta atgctgcatg gaatcaatat gaatattttc
150601 cttaatatag atacttcagt agtcattccag tgcattaatc ttcatctctg ttcatctttg
150661 aaaacactag taatttatct gtattgtgaa cttaactaag aggtcaaatc tccttctatg
150721 gaatagaaat gtggaaaaca atgaacatat gagttgagtg gtccatcttc gtccacagaat
150781 ctctttatgt actcacttct gttttcttgt ctgacatacg tatgtcttga tttatttgtc
150841 ttttatgccc taaagcccat tttacatgac atgctggtaa ctgttcattc atttggaatt
150901 tggaaatggtt attcaacaga tgtcttaaaag ttccagaaga gccagtaga attttttagtc
150961 ataattgagt ctgtgtaaat aactccctct gactagacta gaggttaact gttgcggaat
151021 attgaagtct tcaagacttc atgaaagcag tgtatcaaac agaactggtt gtttttgtgt
151081 cttttagaat agcaagccac agcattattt aagaataatt attaacaaaa agccattggg
151141 aagaaaaata gggaaatgta taaaactttt taatgcaatg agttttggat taaaatagaa
151201 gtacactaag aaataatgag aagagaaaat tgtacatgta gaaatgcttt aaaaatgtga
151261 agtattgcat aattacatta ttttgataaa ataaattaga ctgggaatgt aagtaaacag
151321 gctagggatt tgtgaacttt ataagtctta aatctttcta atagcattta aaaatgtacg
151381 caacatcact gttcatcaga gaaatgccaa tcaaaaactac agtgagatat tatctcacc
151441 taattagaat gtcttatatt caaaagacag gcaataacaa atgcttgaga ggatgtggag
151501 aaaagggacc cctccacatt gggaccactg ctgttgagaa tgaattaat tacaaccact
151561 atggagtaca gtttgagggt tctcaaaaaa aactaaaaat ggagctgcca tatagacag
151621 caattccagt gcttgatata taccagaag aaaaagaaat cagtgtgccc aagcaatatc
151681 tgcactccctg tgtttgttgc agcaatgttc acaataggta agatttgagg acagcctaaa
151741 tgtccatcca cagatgtatg gatatttttt tgttttattc ttaatatatt aaaaatagatc
151801 aggaacattt catttggaat agtggtttca tctctgacag atatttatga agtgggtgga
151861 atgtttgttt atttaacaa tcaagagacg atgagtttag cagtgtagtc tatcttcaat
151921 atgaatttgg tgaactcaaaa tctgaatact cttttttgaa aattagaagt tctgtctgtc
151981 ttaacaatac aaaaacacaaa taactcaactg aaagaattat tttagaagat ataattgagt
152041 atctcttagt caataattgga taacaaaata aggatgtaat gtaaccatta cattttgtaa
152101 tggttaatga atttatctgt gatcaattac aaaaataattc tgaagacat ttaaacactg
152161 gtttaaaagt aatataatct ggatctgtgat gtaaaatjac agaatcaattc tgcattcaat
152221 gaagacaatt tatatatgat aaagtccaat aattgttaag tgaagatttg ttaaaatttat
152281 tgaatgtttt ctcttgataa ttaattgttt gagatttgat taatttttaa tagtjattt
152341 ttgaagagat agattatctt attttattaa attatttttg attgtattta attttttt
152401 gttatttaca aattttgcca aattgtgaca tcaatgtctc aattttgtgt ttaattttt
152461 agctaaattt aaagcaaatg caagagcttt ataaaaatca gttatcaaat tttttttt
152521 agctaaattt taatcaaatg ataaattatt gatgttttta tttaggaatt atttatatat
152581 ttttaagtat gatacaatac aaacttttaa aaggaagaa tgtgacacat tattttgaaa
152641 taaggagtat cttagcatatt tttagttaat aactgtgaag tgaattgttt ttgtttttta
152701 ttttaattgt aaaactgttaa tttatgttca atagagaata tttacttggg ttaataataa
152761 aataagcata agagttagtca gattogacta caactgataa agcaatttgt tttagagtaga
152821 taaaattacat taattttacat aattttaaaa caacagctcc atagggtccc attgtaaaaa
152881 aaaaaattta aaaaattgttc ttgtttagga aaaggtcaat agtaattttc ttttaatttc
152941 ttttaaggaa tgttaagtgc aactatgagg acaagagctt tgtttgaaaa tttgtgttat

```

FIGURE 1 (continued)

153001 tcagatactg tgaaggttac aatccttgtt ttgacttttt gaagattaac aaaattttatt
153061 cctgctgaag ttatgacta aattagttct aattttactcc agctgttgca cattttactta
153121 ctgaccacac agccacgctg atcacccttt tcttcctttg ggtcacttag tgtcttggct
153181 gctggatgaa atcaagggga tcttcagcta atgctagagt ggcacattg attttcatat
153241 tgtctcagac agctttccca ttgacctatg agccaagagg agaggggaatt ttaaaaaat
153301 gtgtttttga aacgattttg tgccgtgtga agcaagtcga caaagatggt cctcaatgaa
153361 ccatgcctcc cagtactcat accattgtga acccaggtgg gtcctttgtg accaatagaa
153421 tgagtagaaa gtgactgcct aattttccaca ttgagttatg agaagctttg tggttttgag
153481 ctcttggaac atttactgtt agggcattct ctgtagaatc caggtaccat gctgtgccc
153541 tgccacatgg caaggccatg tgcaagcact gtggccaaca gctgaaacca agctcctgca
153601 tcaacttcta ccacatgagt gaattattttg gacatcagtc ccagacaaat ccagttcag
153661 atgaatatag ctctgtcaa catctgcctg caaccacatg tgagaccctc cagccaagaa
153721 acaccagctg gagctaagca aacctataaa gaactataaa agatgataat ttattgagtc
153781 actaagtttc cacatggttt gttacacaaa aatggataac tgaaacagga ttaattgctc
153841 ataattgtatc tctaattaggc tttcctttctc agagcacttt gcatactgga ttgttactta
153901 cctttcattc tcttcaataa ggccgtgggc tctttgaggg caaggactgg gtcttattcc
153961 accttttcag ttttagcata tagtctggca tatagtaggt atttgtgtgt taactggaag
154021 ttggttttat atctgaaatt ttattgtatt tgaatcaaaa tgatccctga gggggaatag
154081 gtgttttgaa ttaagaggt agccaaaaaa taaacctatg tgtactgtag ttgtgtgaag
154141 taaagatgtg tgaaatattg tacagtttgt cctgaataa aggaatatgt aggtggcctc
154201 aagttggata cagtgtgca ctaagacagt ataaaaggaa actgctatca ctgttattct
154261 cagcattctg ggccaaagga ctgagagagg gaggtttcag tttatgagta atttgcttag
154321 tgtatgctta ctgtgtgtat ttgtattaaa cattcaataa gtgtttcaaa ttgaatttac
154381 tttatatacat cttaaagcag ttttctaaaaa ggtgctttta aaagtgttat tttatatagt
154441 gactacaaat tctatatctt atcctctaag tttaaactag aaaatagttc taaaatagaa
154501 atattgtgaag acagtggatt tccaaatgcc aaggaaagtg tagctttgat atgtactgac
154561 tctggaacta gtgtgtttac cccagttaca gattcgattg cccattgggt gtggcctttc
154621 ttggttttga ccaaatgtca ttttaacatc tattcagtcct ggtcttaaaa atgtgataaa
154681 taatggaatg aaaactttat aatttcagaa ttatggacct gtaggactct gttcaaaaata
154741 tgaattattt aggaaagtta taactgtgat gatgtcagaa aaaatagaac ttagaacctc
154801 tcttgaggtt cttgtgaagt cctatttttt aatcaatata gaggagctat ttttaaaatt
154861 ggtaagtga ttgcccacat tgagatattt aaaaggtacc aaagagcaaa ttttaagtga
154921 taaagtaata agaattaaga gggagcaatg agattcagga gttatgatta atttatattc
154981 aagtaggtat gtggagaatg aacataaaca catctaactt gccatctaac ttgccattga
155041 tttagaggggt ttcattctaat ttgggacatt tattttgaca ttaaaattttc taatctatta
155101 tttttggaca gaatatcatc tacactgtat tctagacagt ttcatectcc aatagatttt
155161 ctggcaaat tttaatccaa tgttacatta tttttttaag ttctaaaatg aagaagaaat
155221 aagaattaca gaacatgtac ttgtctgtat tacataatta attagtgtcc tctctcagat
155281 gcttgtagcc ctgaattctta atcttcattg agggtttact tttgttgaca gttacatgta
155341 tagctagctg aatatacgtg ggcttcccag atttccctacc taccatagat taggtgggat
155401 tatggaaactg cttttggcca gtggccaatg aatggaaagt atgtggatta ctggcaagga
155461 cacacattta tgagcccgtt tttagagact tgaagcatat gtattgagat gccctggatc
155521 ctgaatcact atttggaagt aagttgtcct taatagctgc taggaccaca acagatttat
155581 acgagagaga aatgaagttt tctatgttaa gccactgaag tttcaaggct tgcagagacg
155641 cttatttttaa cctgactaaa acaacaatca catgtgtgag aaaaagatat acacttttat
155701 aggagaagat gaatttaggt ttaggttgat ttacaaataa taaaaattcta gatttatctc
155761 aggaatttgt gaatttaatt gtgtcatcga acaatagaat ctgaggactg gaagttaggt
155821 taaaaagctat atagtccaaa gtctgttcta cctctacccc aaacaaatca ttttttaggt
155881 tttctgtgtg gtgataaac caggtttact tgaaaaactc atttagtgaa tttctatgag
155941 tatctgttac aagcccatgt acctgaaatt acaaaacatga tttagatata aacccctgat
156001 tacaattctg tgacaggcaa tttactgcat tctaacacag aaacagcaaa gttttctca
156061 taactgtaat gaagactgtc ttttgtaact tttttgtaaa gtttatgtgg gtacacttgg
156121 aaatttatatg aaaaacctaa taccttttaa tatgggttta taaaatattt aacagccgta
156181 atcacaacag ttgcttccca cctaccaccc ctctatgctt cactttatta ccttttccac
156241 atttaaaaaat accagattct tcaactagct ttgtctgacc acctcactg ctcttcccag
156301 ctgactggct tgcgtattt acaaagtctt agtatcagta tcaactctct ctacatttgg
156361 aatgggttat caacatagct gtggaaaggt ggtggccaga tctgaactta atattgtagg
156421 tajaactagg tataagtggc atagaagcaa agagaagact cattcatatt ttgtattttt

FIGURE 1 (continued)

156481 tgctaataaaa attaatgtatc aaattacttt tgggtgagggg tgggcaactg tattgtactg
156541 ctgataatttt gcagtcagga aaaattttgt tttcctttctc ataacaacac tgttaagcca
156601 tgattcagtt tacttttcaca tttttcttga gccaaagtata gaatgctatt aaattaaatt
156661 ttattggttt taaattataa ttttagcctg tttcaatctt tgtgaaagct aattctatca
156721 ctcaacataa ttaagttatt ctctctcttg gctcgtgcc cccaaaatga tgagctagct
156781 ttcgacaact gagtcttggt aatttacaaa actgttcaga aagacgaacc aaaatttgaa
156841 tggcttgctg tgttctgtat aaatttataa tcgaaagtct gatcatggct acagggtttt
156901 tttttttttt aacttgttct gtttttcaac aaacaatata cttatttgca attaaatgaa
156961 aataaagcat tgaattctga agtttttagag aatgacctta gagattttta gtggttgctc
157021 gccttagcct cctattaaaa tcctctggga actattaaaa gcatttaattg ttgtgacct
157081 acctagacct attaaattcc attctctggg gtgaagccag gccatcagtt attttaaaag
157141 ttctccaagt gcttctaatt tgcagcacag gttggggaga tctgatctag cttagcactt
157201 aaaggttata gtgctaccac tacataacac ttctatatg agtttactgt agtatattaa
157261 tggagctatc ttaagtggaa aatgtctgat caatcattaa atagcaaatc aagtgaatc
157321 tataactaaa atttctatct ggaaagacaa aaagaaaaac caacttctct ttgagggtat
157381 gctataacca gagacttggc tagtgctaag gagggcatgg tagacttccc gaggtcacac
157441 aaagaacaa gacgtcatgc ttggttctac ccaatagtct gagtccccct agtcaactct
157501 ttttagcctc taaaccacta ggacgtgatt tgagaaattt catgaagcct caaggtgttc
157561 tttcaggtta tttgtacaat ggggaagaaa atatctatag ttcaacctct tcccatact
157621 catgacagat cacctggcct gtgcttcagt attttacaga ttgttcatc gtggctgaaa
157681 agctcttatac aaaatgctct tacttttatt gagctgataa agttgacct ctaacttcta
157741 tccattgggt ctggctctgc ctctggagg aacacagact atgttgattg tcttttccct
157801 gtgttagcaa tgcagatgga ttgtaatttt cctaaatctg ctcttcaaga aaagatttca
157861 agttttgaaa accatattcat catcctgtcc tcggtgacac ctgtttctct cctttgtcaa
157921 catcaccttt cacaatgtgt cacctggata gcagatcgaa caacctggct ataattgtg
157981 ttctgatagc ctcttttgat ctctgctattg tattctagaa atgaagccca agattttatg
158041 tattttttacc gcggtcatc caggttgatt taaaagatca atgattttca agccaggctg
158101 gacattaaaa tcacttggga gagctttgaa aaaatatagc gatattctgt tttaccttg
158161 atcaattaaa tcagaatctc tggggataag gccagggtac agtgattttt aaaagtactt
158221 caatgacctt aatatgcatc taagttagtt ctatccttaa atgtgggttc tctcaatttg
158281 taggtaaata caatattttg ttgttggttg aatgtaaata tcaggctttt gatctgttct
158341 agtttaattt tctgataata gtagtcccag aattttcaaa tgcaattctt taagattgca
158401 atgaagttag aactcttacg ttactgttta tgtccacaaa atgttttagaa aagtttgaaa
158461 aggattttga aaaagattaa cagtgttaatt atttcttata ttgttgggtt tatgcataat
158521 ataatttggg taatatgtat cataaataaa agtattttta gatcacattg tgaacttgta
158581 tcatcattga tagcaaatga catagctcat aagcatggga tccaaaaattg gttttccaaa
158641 ttttaaggact ttccaagtaa aacaaatttt aatgctatgc tcattgcttc tctttttatt
158701 taaaacattg ggttttaaga cataaccaaa ataaactact ttttattcct ttgactttag
158761 atatctttca gctgttaaaa ggagtgttgt ttcataaagc ctgacagaaa accttcagtc
158821 tctctctatc gaaattaatc acagtattga ataagagtta cccggaacaa ctgcaatgat
158881 ttaaatttgt gacctggat catttggaat aggcattttt ccccaaagt ttttaagatt
158941 gctgagtag ttcagcatag tgaatgaat tttataaaaa tcagtgttat tagccatttg
159001 cataaaaggc aagtagcaac cttcatggta tccccatta ttcttgaaat attgcatata
159061 ttgttgggtg gatgatatac aattctaaag gcactgggtc ataggctaaa gtatcatata
159121 ttgatattta tactatctgt cacactcaaa atgaattaga gatagtccaa aggaataatg
159181 taaataactat taaaacgaag acaagaaagg tcagaaaaca ctgagacaaa gcagttgaga
159241 ggtattttgt aattgcacac acacacaaaa aactatcatt aagctctttt gatgccagct
159301 ttttagttta cctcatctta ttctatgtat acattagaac ttacccaaga gatttagtct
159361 ttgtttcaac ctgaggtctt aatcttatct gtgcttaagg gctccagta ggtcaagtta
159421 taagtttaaa cagatgctg ccttgctttg acctttctct tcaaatctgt taacatctat
159481 tttagagcaa ttgataaact gtgtattcca ctactagaa ctggattttg ttgttccct
159541 ttgttgggaa accttccctag atatcttgat tctcatagct gttaccataa gactgaagtc
159601 ctattagggg tttaaaaagg tcagtttttg ctttatgaag atttccatta gcctttgaca
159661 cgtaaaagat tacataacaa accacctcca aacacagtc tttaacatgc tgataattaa
159721 tctactctgt ctgtgggtta gttaggttta gtttagcgag attttctcca ttacacatct
159781 ctactctctt tcccagggca agtgggttaa cccagcaat gttttctcca tgacaacctc
159841 agaggttaaaa gggggcaaat agaaacatac aaggcctctt aaggcttagg cttgaaactg

FIGURE 1 (continued)

```

159961 gcacatgata acttctactt tattcttttg ctaaaacaag ttatatagct gaaccccaat
160021 tgagtgatgg agaaatactc ttggaacttt tactaggaga aactgtaaaag tcatatggca
160081 gaaaatattg aacctcggag tgtttttgga ggatataaat tgttatttaa atacattaaa
160141 atttgtgatt tcaattttaa aattaatgtg ttgtccgggt gcggtggcct atgcctgtaa
160201 tcccaacatt ttgggaggct gagtgggtgg atcatgaggt caagagatca agaccattct
160261 ggccaacatg gtgaaactct gtctctacta aaaatacga aattagctgg gcatgggtgg
160321 gcacgcctgt agtcccagct actcaggaag ctgaggcagg agatttgctt gaacccggga
160381 ggagaggggt gcagtttgcc gagatggtac cactgtactc cagcctggcg acagagcaag
160441 actctgttcc aaaaaaata aaaaaataaa aaataaaaaa taatgtgtta atgtattacc
160501 aaattaccat tgtaacatct accagtaaaa tgatttttcc ttttagcaatt ctttcttttc
160561 aagaaatgct tgagggccca gtcagaagac tatttacctt ttcttctgac ataaaactca
160621 cataatcttg ggcaattaa gttttttctc acaaaaactt tttttttttt ggtgtacagt
160681 ttttaacataa aggtagattt gtgtaacaat cactataatc agaataataa cagccaaatc
160741 acaccaaaca attttttttg ttgccccttt gtagttaaaa cttccccttc ctcataacac
160801 caactaaact gatcttctat atagttttgc cttttctaga ttggcatata aatggaatca
160861 tacagtatgt aaccttttga aaatgcttct ttcactcagt ataatacctt tgggaatcaa
160921 cagtgcctatt gcacgataa attttttctt tttattgcag agtagtaatc cattacatgg
160981 ataaattaca gatttaaccc atttacctac caaaggacat ttgagttggt tccagttttg
161041 agtaattact acaaacaaaa ttttttagaa cattcatgta catgtttatt gtgactatag
161101 attttcatca ctctaaaata gatagctaag aatgatatac tatcctatgg taagtagctt
161161 ctgttttaat tccactgttt gtgccttttt ggattattcg aatgttttaa gaattccatt
161221 ttatctatta catttttgaa tatcttccca gtggctactc tagagattac tctctctctc
161281 tttccccttc tctctctcta tatataact taacttttca cagtttactt agaattaata
161341 tttccccttc tgttttaatt gtaatactta ttaactctgt atattaaaca accatccaaa
161401 atgtttataat ttttgctttt aacaattata catcttttta aaacttgggc ataaaacagt
161461 ctataatatt catgtggatg ttaccatttg tgttgctctt ctttcagggt tccctctagt
161521 accttttccc ttccacctga aaaaattatg ctttttattt catagtagat ttgctgttga
161581 tgaattctat tagttttcat tcattccaaa acgctccttt atttcatctt tgttttttat
161641 tgggtgctatt ggtttttatt ttgtgggtac a

```

FIGURE 1 (continued)

[illegible]